

norelem positions

Flexible standard component system

09000

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Magnets with internal thread
NdFeB, rectangular, with rubber protective jacket

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Magnets shallow pot with tapped pin
NdFeB, with rubber protective jacket

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Page 1252



Magnets shallow pot with threaded pin
NdFeB, with rubber protective jacket

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Magnets deep pot with threaded pin
NdFeB, rubber magnetic face

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Magnets shallow pot with through hole
NdFeB, with rubber protective jacket

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Retaining magnets
hard ferrite

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Retaining magnets
hard ferrite

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Magnetic Pickup

09210
Page 1255



Magnetic base, permanent

09230
Page 1256



Magnetic clamping balls



norelem assemblies

Assembly system

10000

Aluminium profiles
Connectors
Covers
Special elements



10025
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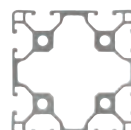
Aluminium profiles 30x30 light
Type I

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Aluminium profiles 30x60 light
Type I

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Aluminium profiles 60x60 light
Type I

10045
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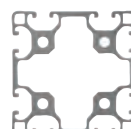
Aluminium profiles 40x40 light
Type I

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Aluminium profiles 40x80 light
Type I

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Aluminium profiles 80x80 light
Type I

10048
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Aluminium profiles 16x40
Type I

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Aluminium profiles 40x40
Type I

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Aluminium profiles 40x80
Type I

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Aluminium profiles 80x80
Type I

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Aluminium profiles D50
Type I, tube

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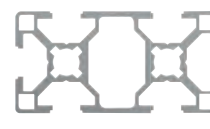
Aluminium profiles 40x40
for roller rails, Type I

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Aluminium profiles 30x30
Type B

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Aluminium profiles 30x60
Type B

+ New/Expanded Items

norelem assemblies

Assembly system

10000

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Aluminium profiles 40x40 light
Type B

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Aluminium profiles 40x80 light
Type B

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Aluminium profiles 45x45 light
Type B

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Aluminium profiles 45x90 light
Type B

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Aluminium profiles 90x90 light
Type B

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Aluminium profiles 45x45
Type B

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Aluminium profiles 45x60
Type B

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Aluminium profiles 45x90
Type B

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Aluminium profiles 90x90
Type B

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Aluminium profiles 40x40
for roller rails, Type B

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Connecting sets standard
Type I

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Connecting sets universal
Type I

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Connecting sets central
Type I

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Connecting sets central
Type B

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Connecting sets central
Type B

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Connecting sets automatic
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Connecting sets automatic
Type B

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Pin connector sets
Type B

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Cube connector sets
Type B

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Central screws
Type B

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Page 1283



Threaded insert, steel, self-tapping,
Type B

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Assembly tool, steel,
for self-tapping threaded inserts
Type B

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Butt connector sets automatic
Type I

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Straps

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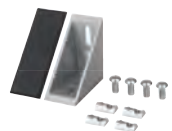
Angles

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Fastening sets
for straps and angles

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Angle sets
Type I

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Angle sets
Type B

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Angle elements T1
Type I

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Angle elements T2
Type I

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Clamping angles
Type I

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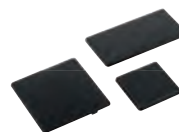
Joint angles
Type I

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Joints
Type B and Type I

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End caps
Type B and Type I

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Cover and adapter profiles
Type B and Type I

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Cover profiles
Type I

+ New/Expanded Items

norelem assemblies

Assembly system

10000

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Slide rails
Type I

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Foot plates
Type B and Type I

10400
Page 1302



Bearing flange
for feed roller

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Plastic roller elements
for roller rails

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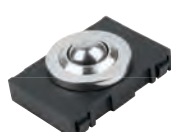
Stainless steel brakes
for roller elements

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Page 1304



Plastic roller elements, compact
for roller rails

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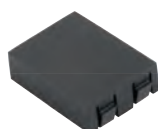
Ball transfer units
for roller rails

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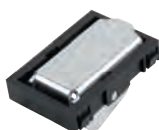
Brush elements, plastic
for roller rails

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Spacers, plastic
for roller rails

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Backstop elements, steel
for roller rails

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Plastic slide ramps
for roller rails

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Plastic slide rails
for roller rails

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End plates, steel
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Suspension brackets, steel
for roller rails

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Mounting brackets, steel
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Roller elements

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Cable tie block

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Cable clips

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Cable clips with T-slot key

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Page 1313



Sensor holders

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Earthing terminal
Type I

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Potential equaliser
Type I

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Eccentric clamp modules

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Cam clamps
for eccentric clamp modules

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Clip-in shell bins, plastic
for profile slots type I and type B
and mounting profiles

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Clip-in bins, plastic
for type I and type B profile slots
and mounting profiles

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Clip-in bins, antistatic plastic
for mounting profiles

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Swivel adapter, plastic
for profile slots

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Swivel adapter, antistatic plastic
for profile slots

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Cup holder plastic
for aluminium profiles,
closed or open

10550-15
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Cup holder plastic, antistatic
for aluminium profiles, closed

+ New/Expanded Items

10000

Aluminium profiles
Connectors
Covers
Special elements



01000

02000

03000

04000

05000

06000

07000

08000

09000

10000

12000

14000

Technical information for aluminium profiles

Type I and Type B

Tolerances:

Form deviations such as straightness and flatness tolerance acc. to DIN EN 12020 Part 2.

Surface:

The aluminium profiles are natural tone anodised making them permanently scratch-resistant and corrosion proof. The all-round anodise film makes saw cuts particularly low burr.

Anodising: E6EV1

Film thickness: 10 µm

Mechanical values:

(apply only in thrust axis)

Tensile strength Rm: min. 245 N/mm²

Yield point Rp 0.2: min. 195 N/mm²

A5: 10% rupture stress

A10: 8% rupture stress

Density: 2.7 kg/dm³

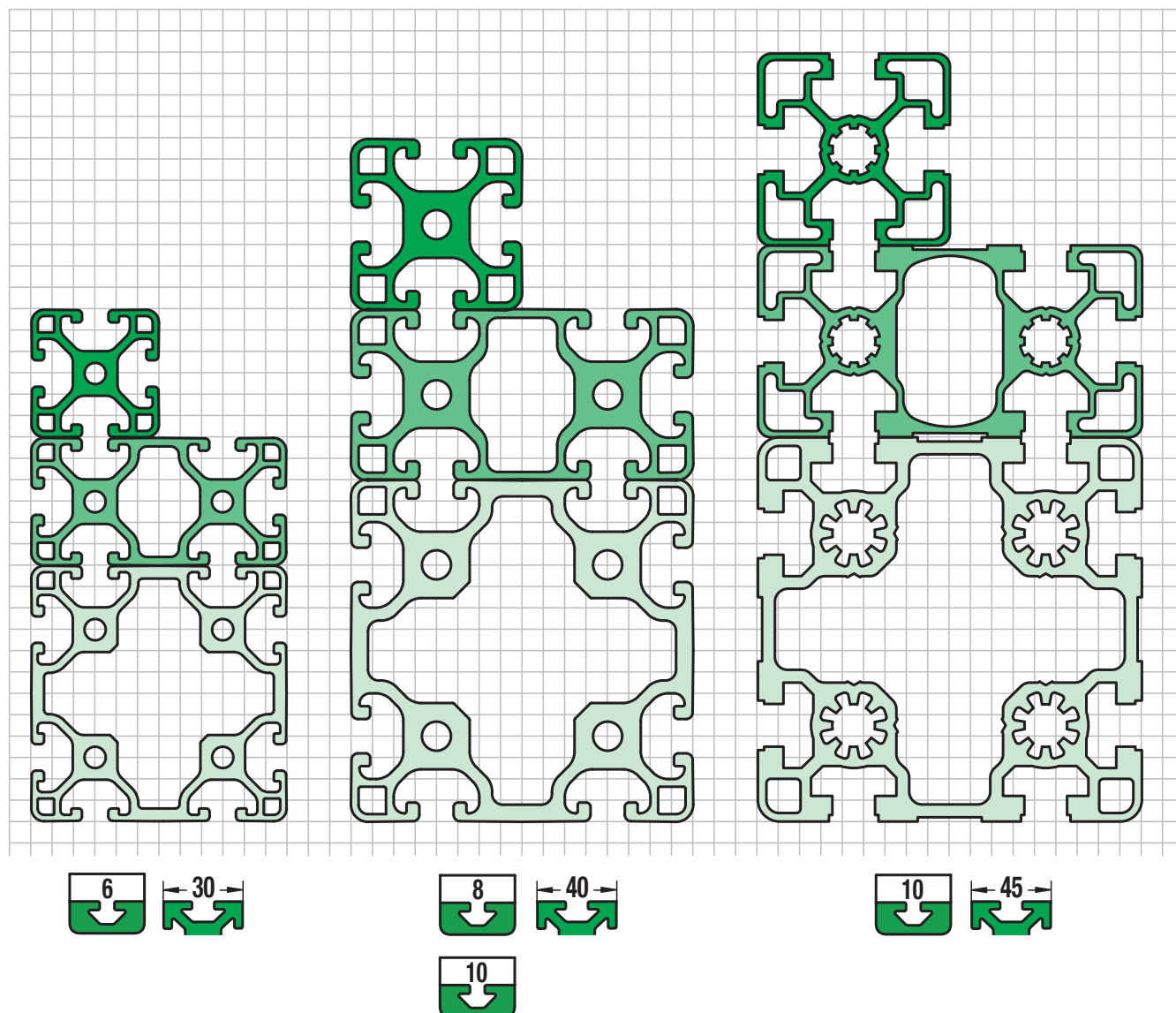
Linear expansion coefficient: 23.6x10⁻⁶ 1/K

Elasticity module E: approximately 70,000 N/mm²

Hardness: approximately 75 HB -2.5/187.5



Slot sizes and grid pitches



Aluminium profiles 60x60 light

Type I



Material:

Aluminium EN AW-6063 T66 (AlMgSi 0.5 F25)

Version:

Artificially aged, natural colour anodised.

Sample order:

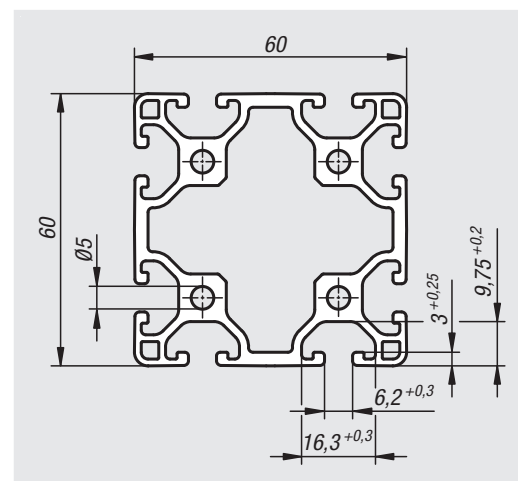
nIm 10025-066060X*

* Include length only in full mm increments.

Maximum available length 6000 mm.

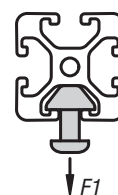
Note:

Lightweight aluminium profile for weight-optimised constructions.



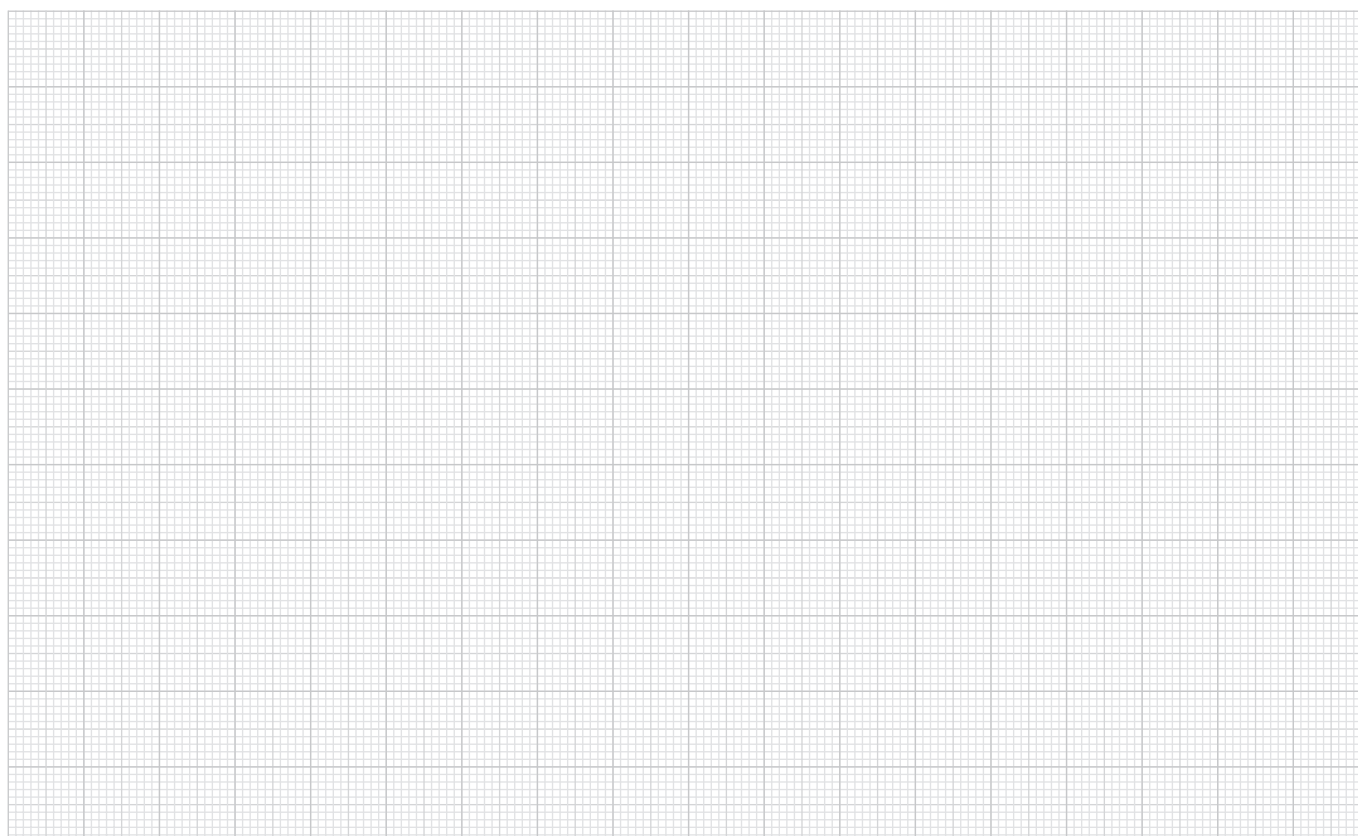
On request:

Mitre cuts 15°, 30° and 45°.



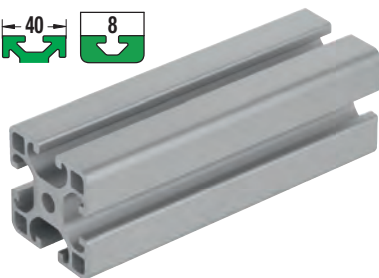
Order No.	Slot width	Profile	Ix cm ⁴	Iy cm ⁴	Wx cm ³	Wy cm ³	Profile area cm ²	F1 max. kN	Approx. weight kg/m
10025-066060X****	6	60x60	39,47	39,47	13,16	13,16	10,01	0,5	2,70

Notes



Aluminium profiles 40x40 light

Type I

**Material:**

Aluminium EN AW-6063 T66 (AlMgSi 0.5 F25)

Version:

Artificially aged, natural colour anodised.

Sample order:

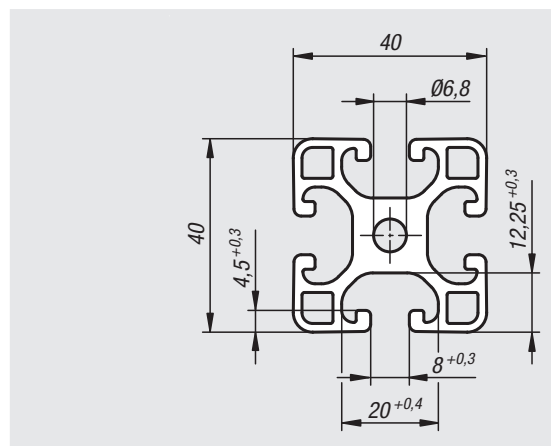
nlm 10045-084040X*

* Include length only in full mm increments.

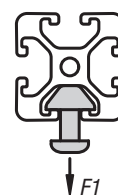
Maximum available length 6000 mm.

Note:

Lightweight aluminium profile for weight-optimised constructions.

**On request:**

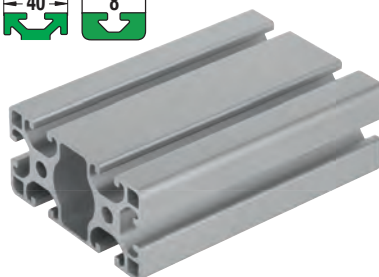
Mitre cuts 15°, 30° and 45°.



Order No.	Slot width	Profile	I _x cm ⁴	I _y cm ⁴	W _x cm ³	W _y cm ³	Profile area cm ²	F1 max. kN	Approx. weight kg/m
10045-084040X****	8	40x40	9,1	9,1	4,55	4,55	6,47	2,5	1,75

Aluminium profiles 40x80 light

Type I

**Material:**

Aluminium EN AW-6063 T66 (AlMgSi 0.5 F25)

Version:

Artificially aged, natural colour anodised.

Sample order:

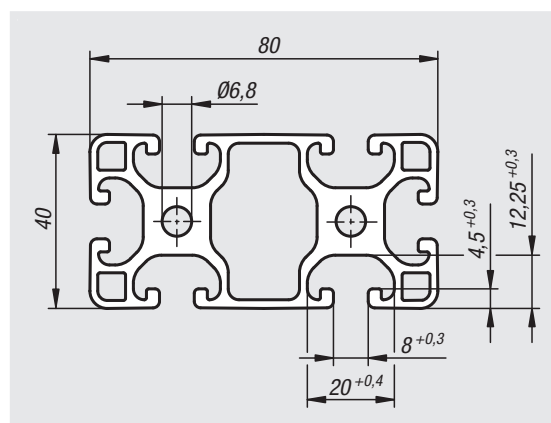
nlm 10045-084080X*

* Include length only in full mm increments.

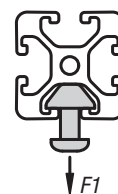
Maximum available length 6000 mm.

Note:

Lightweight aluminium profile for weight-optimised constructions.

**On request:**

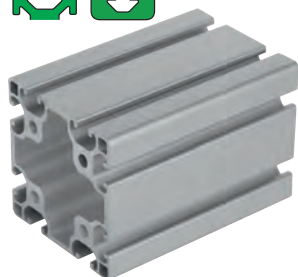
Mitre cuts 15°, 30° and 45°.



Order No.	Slot width	Profile	I _x cm ⁴	I _y cm ⁴	W _x cm ³	W _y cm ³	Profile area cm ²	F1 max. kN	Approx. weight kg/m
10045-084080X****	8	40x80	16,77	70,2	8,45	17,56	11,3	2,5	3,08

Aluminium profiles 80x80 light

Type I



Material:

Aluminium EN AW-6063 T66 (AlMgSi 0.5 F25)

Version:

Artificially aged, natural colour anodised.

Sample order:

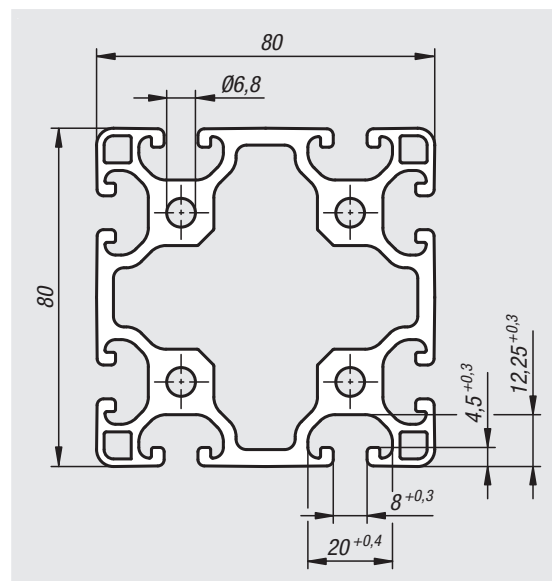
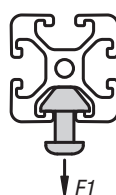
nIm 10045-088080X*

* Include length only in full mm increments.

Maximum available length 6000 mm.

Note:

Lightweight aluminium profile for weight-optimised constructions.

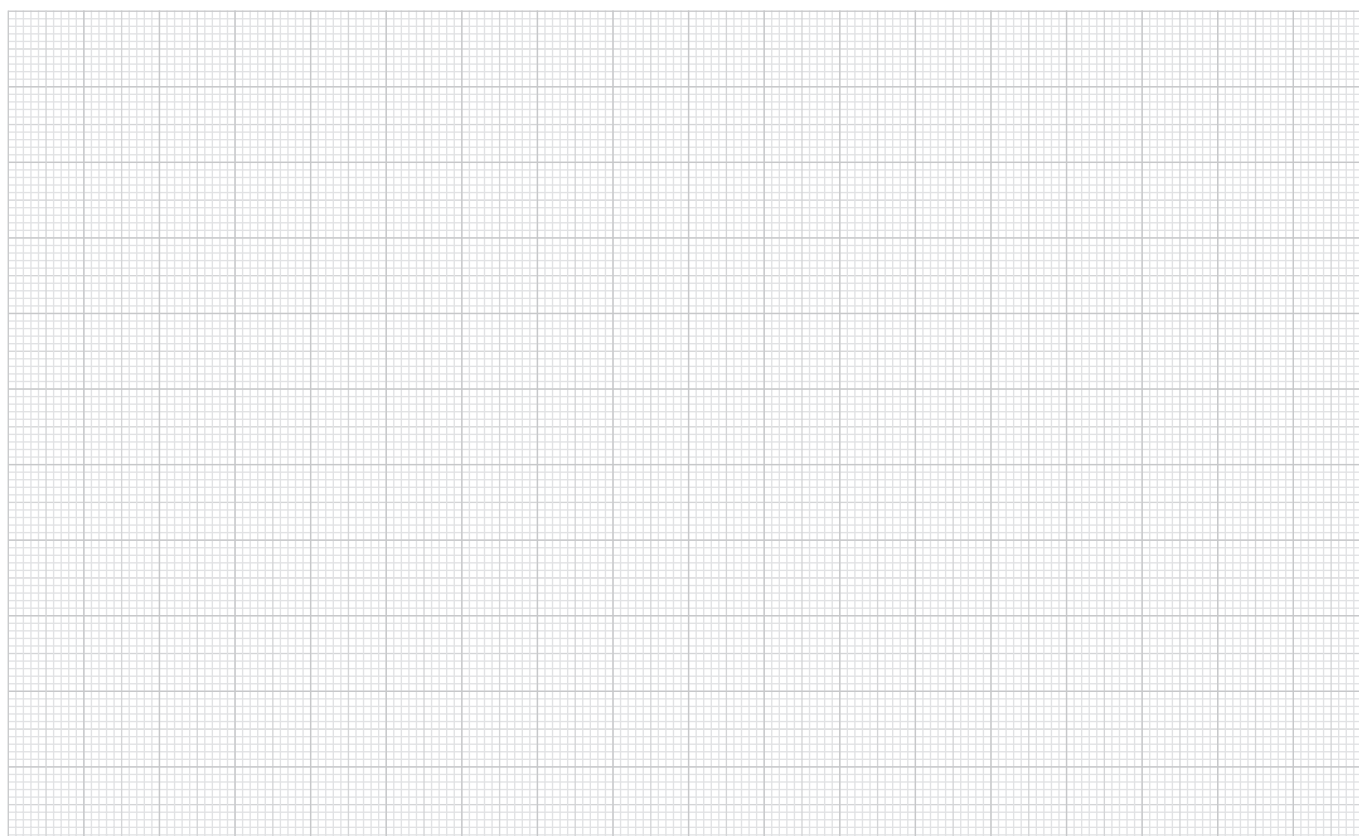


On request:

Mitre cuts 15°, 30° and 45°.

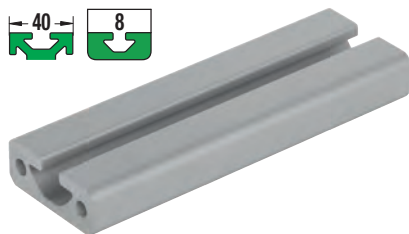
Order No.	Slot width	Profile	Ix cm ⁴	Iy cm ⁴	Wx cm ³	Wy cm ³	Profile area cm ²	F1 max. kN	Approx. weight kg/m
10045-088080X****	8	80x80	130,1	130,1	33,2	33,2	19,3	2,5	2,17

Notes



Aluminium profiles 16x40

Type I

**Material:**

Aluminium EN AW-6063 T66 (AlMgSi 0.5 F25)

Version:

Artificially aged, natural colour anodised.

Sample order:

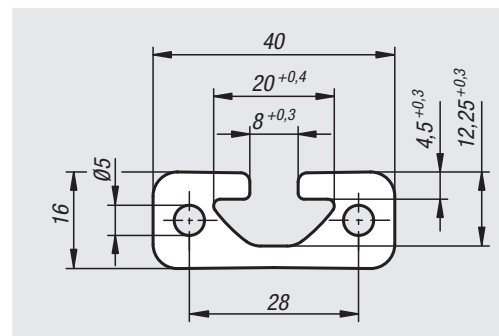
nlm 10048-081640X*

* Include length only in full mm increments.

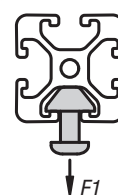
Maximum available length 6000 mm.

Note:

Aluminium profile for general constructions.

**On request:**

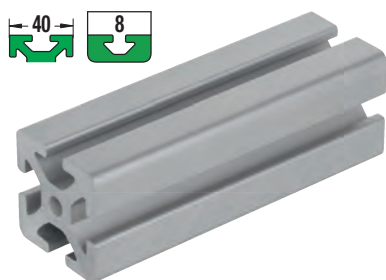
Mitre cuts 15°, 30° and 45°.



Order No.	Slot width	Profile	Ix cm ⁴	Iy cm ⁴	Wx cm ³	Wy cm ³	Profile area cm ²	F1 max. kN	Approx. weight kg/m
10048-081640X****	8	16x40	1,06	6,75	1,25	3,37	4,15	5	1,12

Aluminium profiles 40x40

Type I

**Material:**

Aluminium EN AW-6063 T66 (AlMgSi 0.5 F25)

Version:

Artificially aged, natural colour anodised.

Sample order:

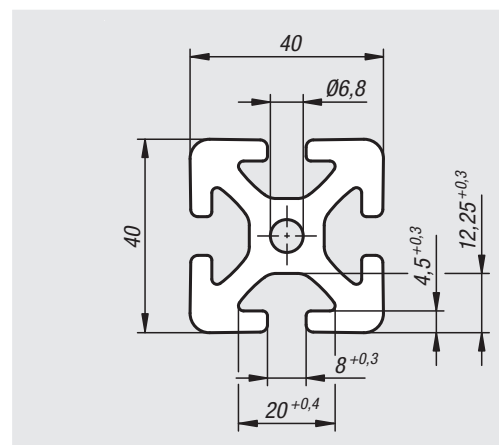
nlm 10048-084040X*

* Include length only in full mm increments.

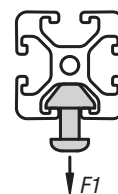
Maximum available length 6000 mm.

Note:

Aluminium profile for general constructions.

**On request:**

Mitre cuts 15°, 30° and 45°.



Order No.	Slot width	Profile	Ix cm ⁴	Iy cm ⁴	Wx cm ³	Wy cm ³	Profile area cm ²	F1 max. kN	Approx. weight kg/m
10048-084040X****	8	40x40	13,85	13,85	6,95	6,95	9,05	2,5	2,45

Aluminium profiles 40x80

Type I



Material:

Aluminium EN AW-6063 T66 (AlMgSi 0.5 F25)

Version:

Artificially aged, natural colour anodised.

Sample order:

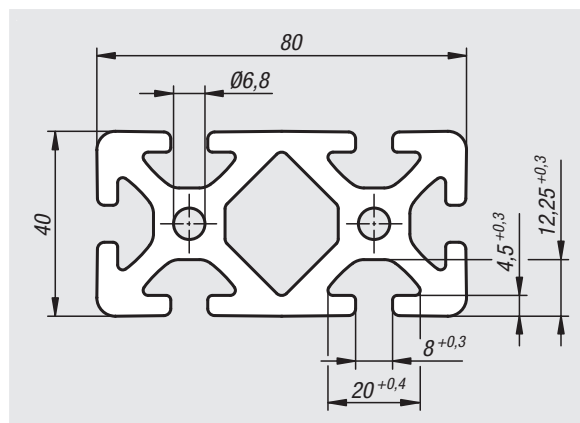
nIm 10048-084080X*

* Include length only in full mm increments.

Maximum available length 6000 mm.

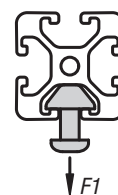
Note:

Aluminium profile for general constructions.



On request:

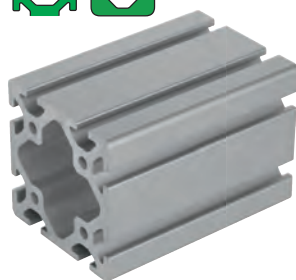
Mitre cuts 15°, 30° and 45°.



Order No.	Slot width	Profile	Ix cm ⁴	Iy cm ⁴	Wx cm ³	Wy cm ³	Profile area cm ²	F1 max. kN	Approx. weight kg/m
10048-084080X****	8	40x80	26,7	101,02	13,39	25,15	16,52	5	4,51

Aluminium profiles 80x80

Type I



Material:

Aluminium EN AW-6063 T66 (AlMgSi 0.5 F25)

Version:

Artificially aged, natural colour anodised.

Sample order:

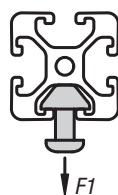
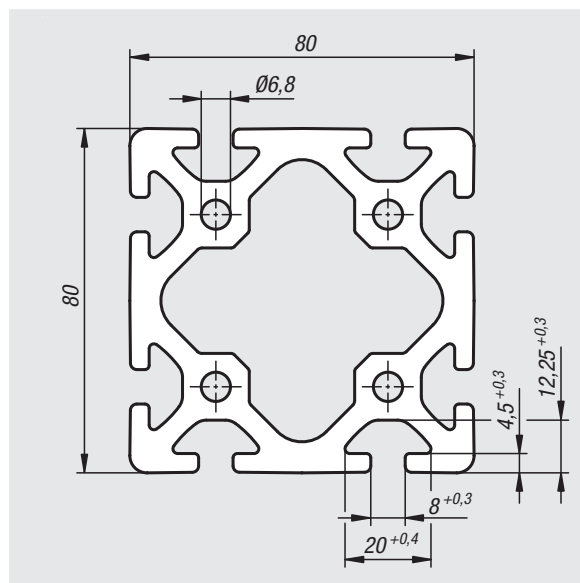
nIm 10048-088080X*

* Include length only in full mm increments.

Maximum available length 6000 mm.

Note:

Aluminium profile for general constructions.



On request:

Mitre cuts 15°, 30° and 45°.

Order No.	Slot width	Profile	Ix cm ⁴	Iy cm ⁴	Wx cm ³	Wy cm ³	Profile area cm ²	F1 max. kN	Approx. weight kg/m
10048-088080X****	8	80x80	187,8	187,8	46,93	46,93	26,65	5	7,20

Aluminium profiles D50

Type I, tube



Material:

Aluminium EN AW-6063 T66 (AlMgSi 0.5 F25)

Version:

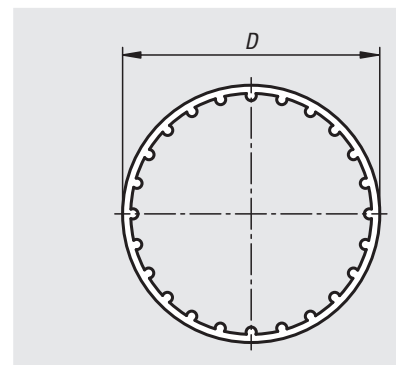
Artificially aged, natural colour anodised.

Sample order:

nIm 10050-50x1000

Note:

Aluminium profile for general structures.
The round tube, also referred to as a profile tube forms a feed roller when used in combination with bearing flanges (10400).



Order No.	Profile	D	L	I _x cm ⁴	I _y cm ⁴	W _x cm ³	W _y cm ³	Approx. weight kg/m
10050-50X1000	50	50	1000	8,16	8,16	3,26	3,26	0,760

Aluminium profiles 40x40

for roller rails, Type I



Material:

Aluminium EN AW-6063 T66 (AlMgSi 0.5 F25)

Version:

Artificially aged, natural colour anodised.

Sample order:

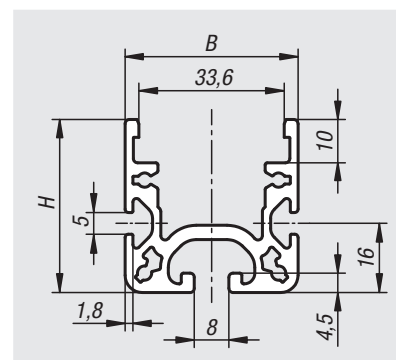
nIm 10051-084040X*

* Include length only in full mm increments.

Maximum available length 6000 mm.

Note:

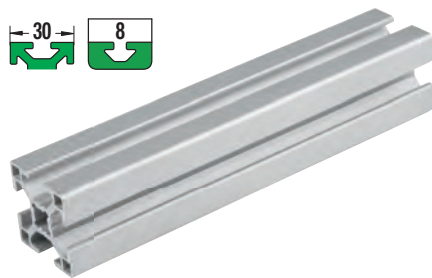
The aluminium profile is matched to the roller elements. As a result, roller rails and roller tracks can be realised. The different inserts permit modular and flexible setup.



Order No.	Slot width	Profile	B	H	I _x cm ⁴	I _y cm ⁴	W _x cm ³	W _y cm ³	Profile area cm ²	Approx. weight kg/m
10051-084040X****	8	40x40	40	40	5,8	10,38	2,3	5,19	4,97	1,34

Aluminium profiles 30x30

Type B



Material:

Aluminium EN AW-6063 T66 (AlMgSi 0.5 F25)

Version:

Artificially aged, natural colour anodised.

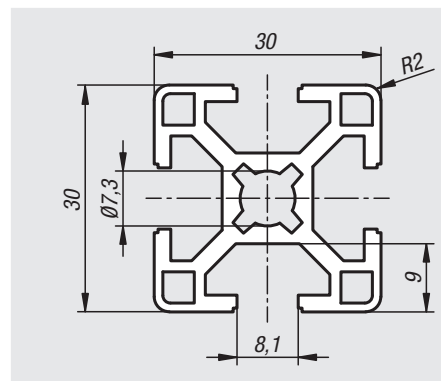
Sample order:

nIm 10140-083030X*

* Include length only in full mm increments.
Maximum available length 6000 mm.

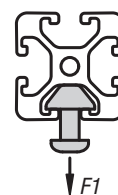
Note:

Aluminium profile for general constructions.



On request:

Mitre cuts 15°, 30° and 45°.



Order No.	Slot width	Profile	Ix cm ⁴	Iy cm ⁴	Wx cm ³	Wy cm ³	Profile area cm ²	F1 max. kN	Approx. weight kg/m
10140-083030X****	8	30x30	2,77	2,77	1,85	1,85	3,14	6	0,85

Aluminium profiles 30x60

Type B



Material:

Aluminium EN AW-6063 T66 (AlMgSi 0.5 F25)

Version:

Artificially aged, natural colour anodised.

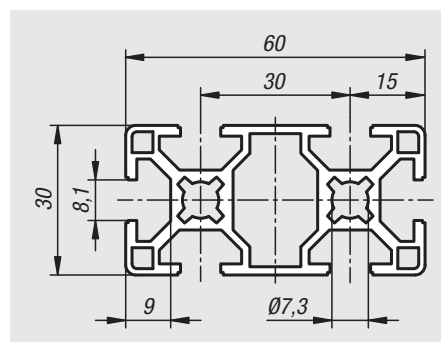
Sample order:

nIm 10140-083060X*

* Include length only in full mm increments.
Maximum available length 6000 mm.

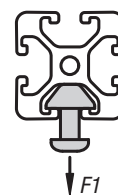
Note:

Aluminium profile for general constructions.



On request:

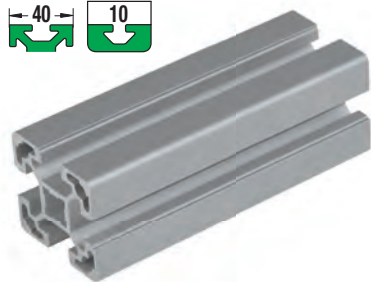
Mitre cuts 15°, 30° and 45°.



Order No.	Slot width	Profile	Ix cm ⁴	Iy cm ⁴	Wx cm ³	Wy cm ³	Profile area cm ²	F1 max. kN	Approx. weight kg/m
10140-083060X****	8	30x60	19,66	5,09	6,55	3,39	5,53	6	1,49

Aluminium profiles 40x40 light

Type B

**Material:**

Aluminium EN AW-6063 T66 (AlMgSi 0.5 F25)

Version:

Artificially aged, natural colour anodised.

Sample order:

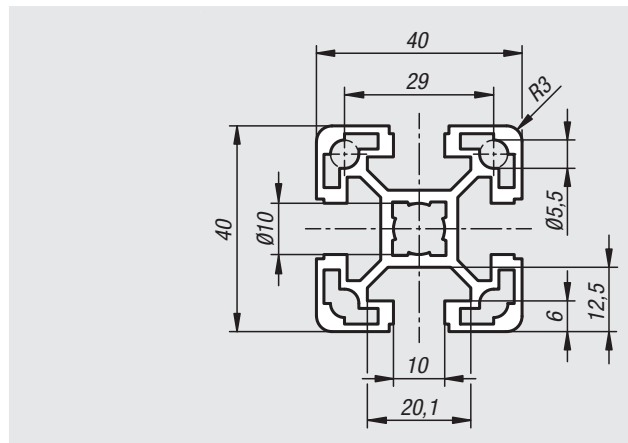
nlm 10142-104040X*

* Include length only in full mm increments.

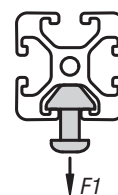
Maximum available length 6000 mm.

Note:

Lightweight aluminium profile for weight-optimised constructions.

**On request:**

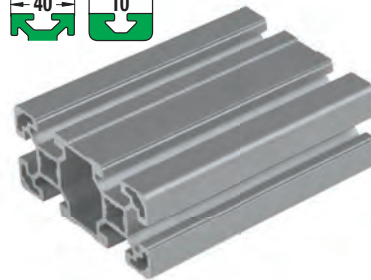
Mitre cuts 15°, 30° and 45°.



Order No.	Slot width	Profile	Ix cm ⁴	Iy cm ⁴	Wx cm ³	Wy cm ³	Profile area cm ²	F1 max. kN	Approx. weight kg/m
10142-104040X****	10	40x40	9,06	9,06	4,53	4,53	5,61	7	1,51

Aluminium profiles 40x80 light

Type B

**Material:**

Aluminium EN AW-6063 T66 (AlMgSi 0.5 F25)

Version:

Artificially aged, natural colour anodised.

Sample order:

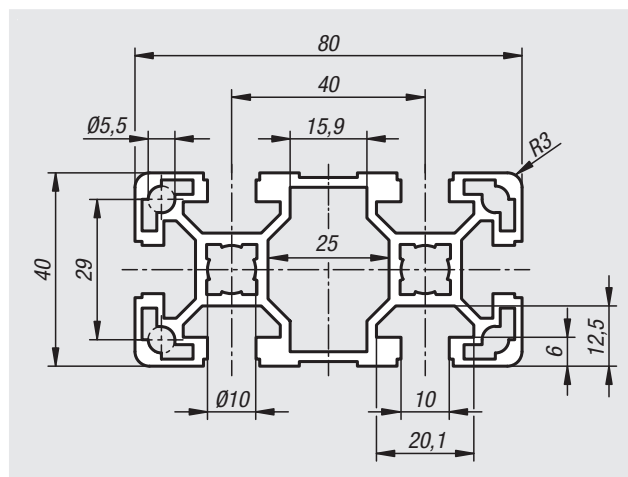
nlm 10142-104080X*

* Include length only in full mm increments.

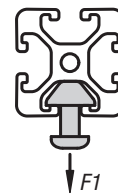
Maximum available length 6000 mm.

Note:

Lightweight aluminium profile for weight-optimised constructions.

**On request:**

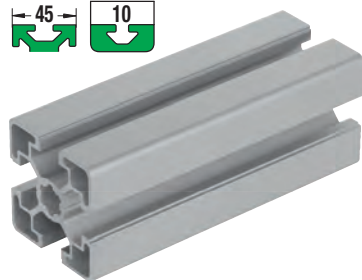
Mitre cuts 15°, 30° and 45°.



Order No.	Slot width	Profile	Ix cm ⁴	Iy cm ⁴	Wx cm ³	Wy cm ³	Profile area cm ²	F1 max. kN	Approx. weight kg/m
10142-104080X****	10	40x80	63,24	17,23	15,81	8,61	9,86	7	2,67

Aluminium profiles 45x45 light

Type B



Material:

Aluminium EN AW-6063 T66 (AlMgSi 0.5 F25)

Version:

Artificially aged, natural colour anodised.

Sample order:

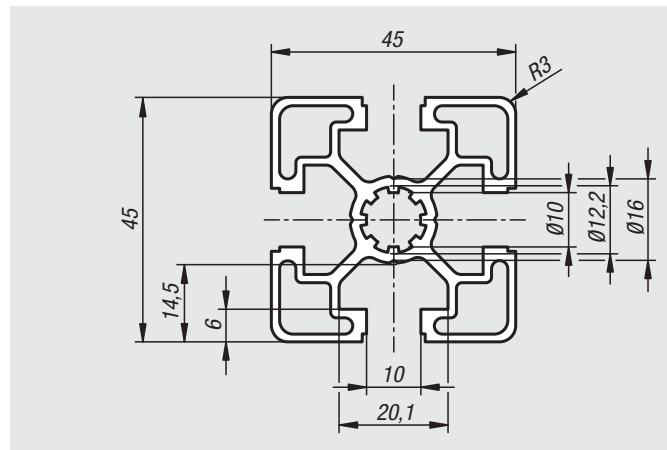
nIm 10157-104545X*

* Include length only in full mm increments.

Maximum available length 6000 mm.

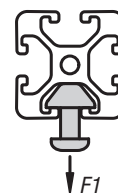
Note:

Lightweight aluminium profile for weight-optimised constructions.



On request:

Mitre cuts 15°, 30° and 45°.



Order No.	Slot width	Profile	Ix cm ⁴	Iy cm ⁴	Wx cm ³	Wy cm ³	Profile area cm ²	F1 max. kN	Approx. weight kg/m
10157-104545X****	10	45x45	11	11	4,89	4,89	5,73	7	1,55

Aluminium profiles 45x90 light

Type B



Material:

Aluminium EN AW-6063 T66 (AlMgSi 0.5 F25)

Version:

Artificially aged, natural colour anodised.

Sample order:

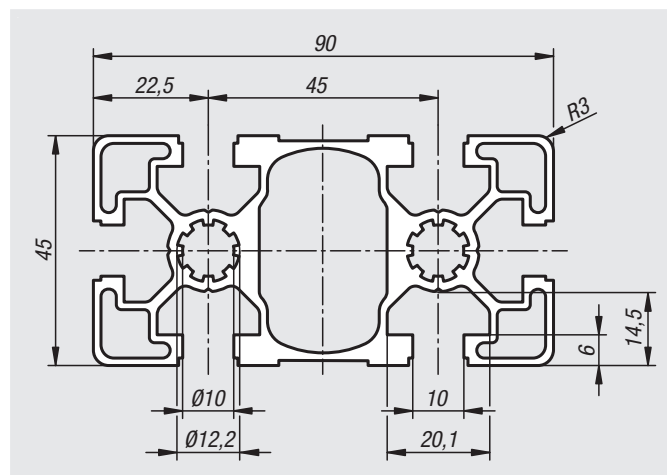
nIm 10157-104590X*

* Include length only in full mm increments.

Maximum available length 6000 mm.

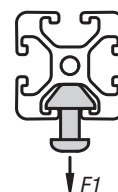
Note:

Lightweight aluminium profile for weight-optimised constructions.



On request:

Mitre cuts 15°, 30° and 45°.



Order No.	Slot width	Profile	Ix cm ⁴	Iy cm ⁴	Wx cm ³	Wy cm ³	Profile area cm ²	F1 max. kN	Approx. weight kg/m
10157-104590X****	10	45x90	81,82	23,53	18,18	1,46	11,29	7	3,05

Aluminium profiles 90x90 light

Type B



Material:

Aluminium EN AW-6063 T66 (AlMgSi 0.5 F25)

Version:

Artificially aged, natural colour anodised.

Sample order:

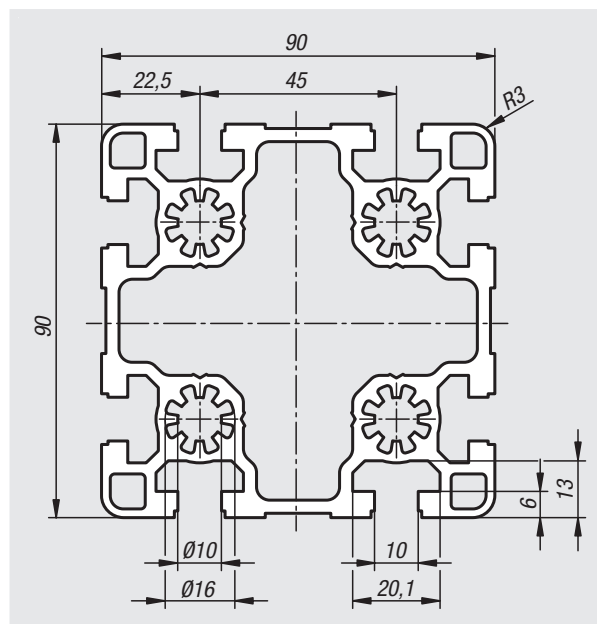
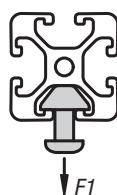
nIm 10157-109090X*

* Include length only in full mm increments.

Maximum available length 6000 mm.

Note:

Lightweight aluminium profile for weight-optimised constructions.

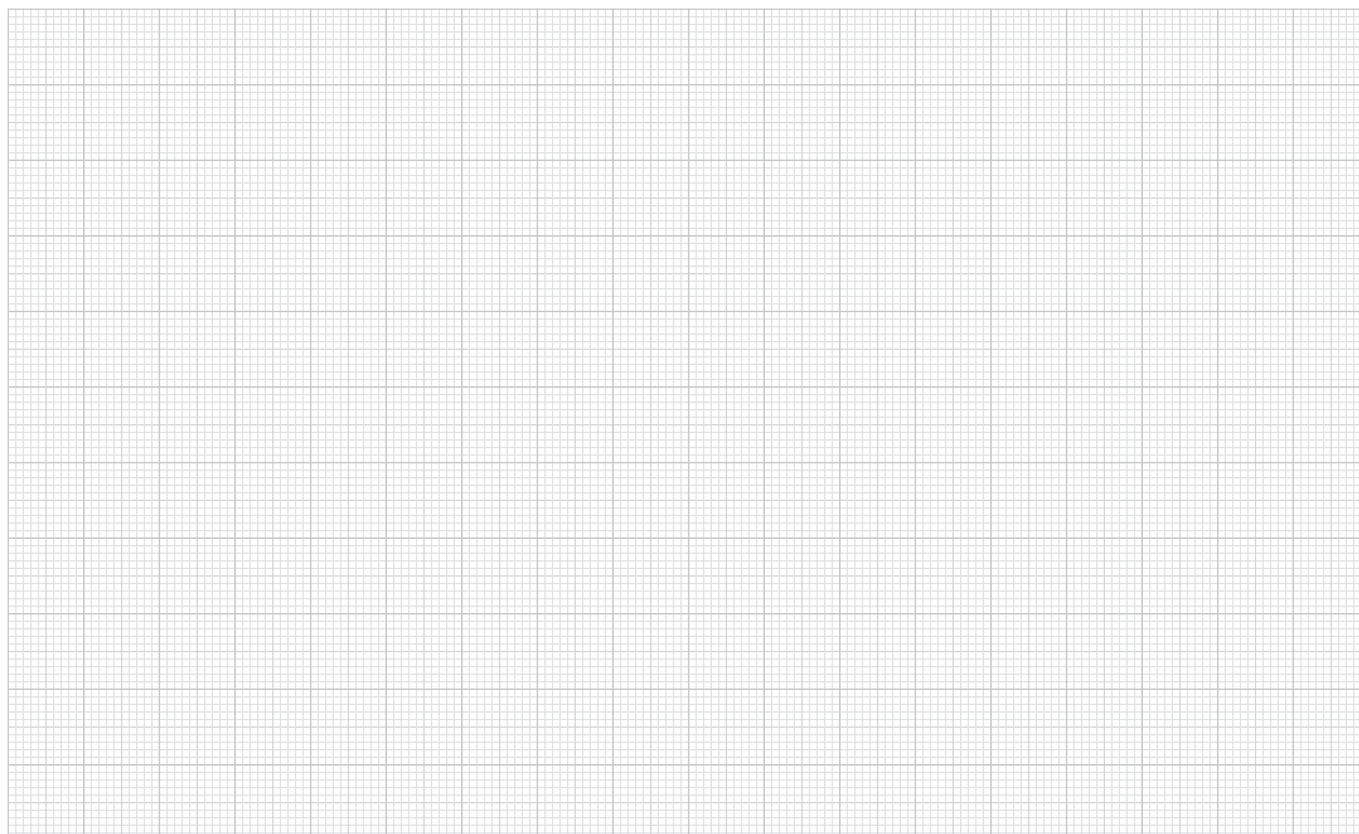


On request:

Mitre cuts 15°, 30° and 45°.

Order No.	Slot width	Profile	Ix cm ⁴	Iy cm ⁴	Wx cm ³	Wy cm ³	Profile area cm ²	F1 max. kN	Approx. weight kg/m
10157-109090X****	10	90x90	210,5	210,5	46,78	46,78	23,46	12	6,34

Notes



Aluminium profiles 45x45

Type B



Material:

Aluminium EN AW-6063 T66 (AlMgSi 0.5 F25)

Version:

Artificially aged, natural colour anodised.

Sample order:

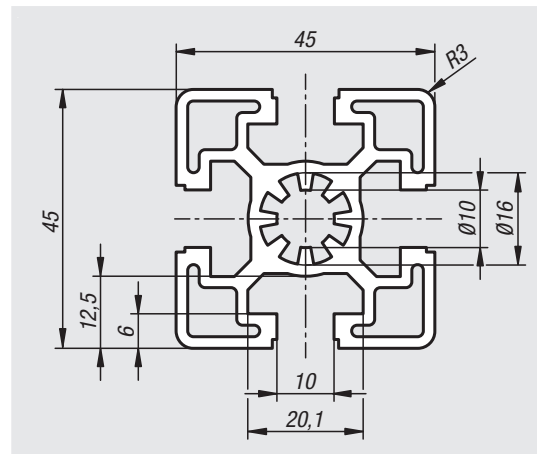
nIm 10160-104545X*

* Include length only in full mm increments.

Maximum available length 6000 mm.

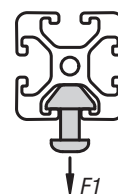
Note:

Aluminium profile for general constructions.



On request:

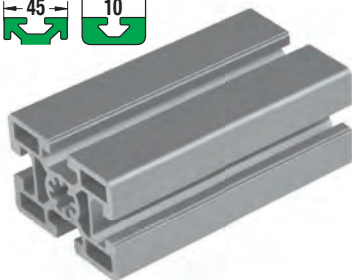
Mitre cuts 15°, 30° and 45°.



Order No.	Slot width	Profile	Ix cm ⁴	Iy cm ⁴	Wx cm ³	Wy cm ³	Profile area cm ²	F1 max. kN	Approx. weight kg/m
10160-104545X****	10	45x45	13,94	13,94	6,91	6,91	7,5	12	2,03

Aluminium profiles 45x60

Type B



Material:

Aluminium EN AW-6063 T66 (AlMgSi 0.5 F25)

Version:

Artificially aged, natural colour anodised.

Sample order:

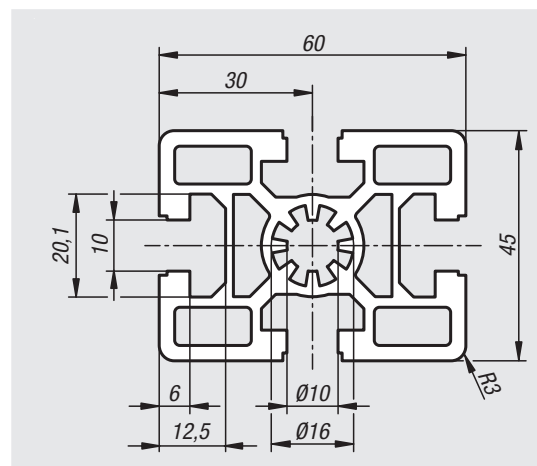
nIm 10160-104560X*

* Include length only in full mm increments.

Maximum available length 6000 mm.

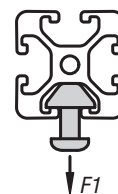
Note:

Aluminium profile for general constructions.



On request:

Mitre cuts 15°, 30° and 45°.



Order No.	Slot width	Profile	Ix cm ⁴	Iy cm ⁴	Wx cm ³	Wy cm ³	Profile area cm ²	F1 max. kN	Approx. weight kg/m
10160-104560X****	10	45x60	37,55	22,66	12,52	10,07	11,14	12	3,01

Aluminium profiles 45x90

Type B

**Material:**

Aluminium EN AW-6063 T66 (AlMgSi 0.5 F25)

Version:

Artificially aged, natural colour anodised.

Sample order:

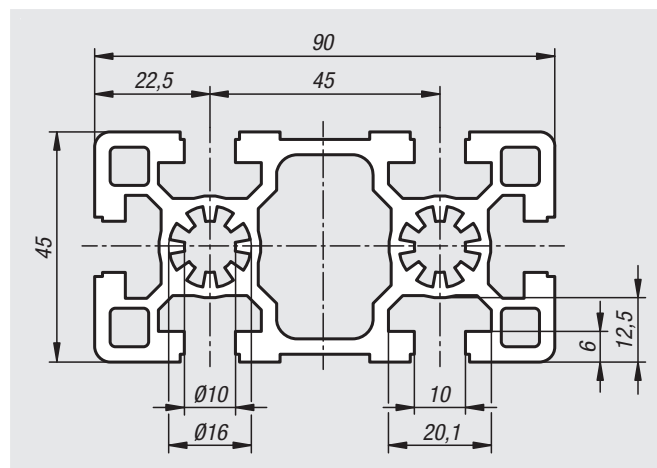
nlm 10160-104590X*

* Include length only in full mm increments.

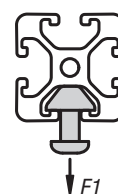
Maximum available length 6000 mm.

Note:

Aluminium profile for general constructions.

**On request:**

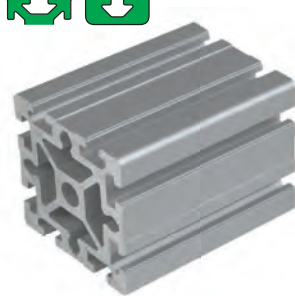
Mitre cuts 15°, 30° and 45°.



Order No.	Slot width	Profile	Ix cm ⁴	Iy cm ⁴	Wx cm ³	Wy cm ³	Profile area cm ²	F1 max. kN	Approx. weight kg/m
10160-104590X****	10	45x90	124,05	32,25	27,57	14,33	15,24	12	4,12

Aluminium profiles 90x90

Type B

**Material:**

Aluminium EN AW-6063 T66 (AlMgSi 0.5 F25)

Version:

Artificially aged, natural colour anodised.

Sample order:

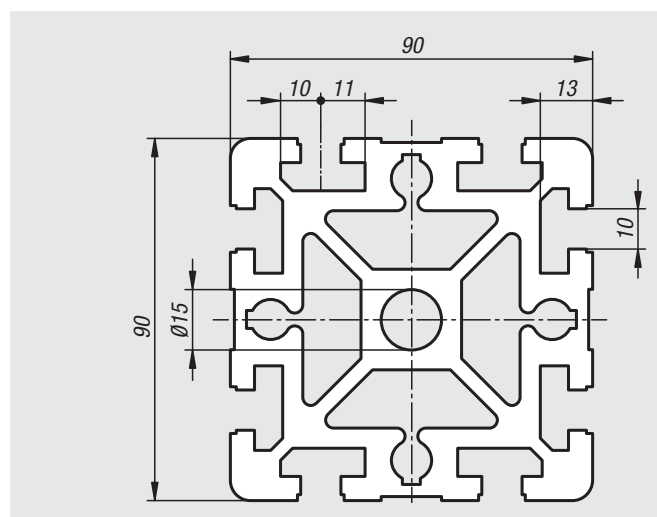
nlm 10160-109090X*

* Include length only in full mm increments.

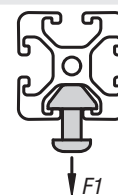
Maximum available length 6000 mm.

Note:

Aluminium profile for general constructions.

**On request:**

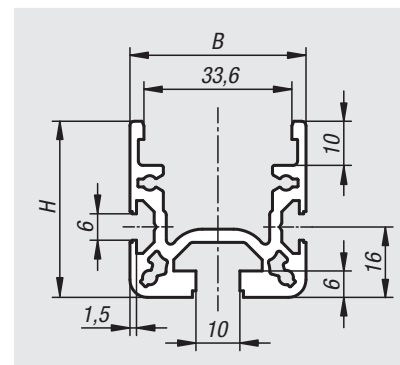
Mitre cuts 15°, 30° and 45°.



Order No.	Slot width	Profile	Ix cm ⁴	Iy cm ⁴	Wx cm ³	Wy cm ³	Profile area cm ²	F1 max. kN	Approx. weight kg/m
10160-109090X****	10	90x90	301,96	301,96	67,07	67,07	38,93	18	10,51

Aluminium profiles 40x40

for roller rails, Type B


Material:

Aluminium EN AW-6063 T66 (AlMgSi 0.5 F25)

Version:

Artificially aged, natural colour anodised.

Sample order:

nlm 10161-104040X*

* Include length only in full mm increments.

Maximum available length 6000 mm.

Note:

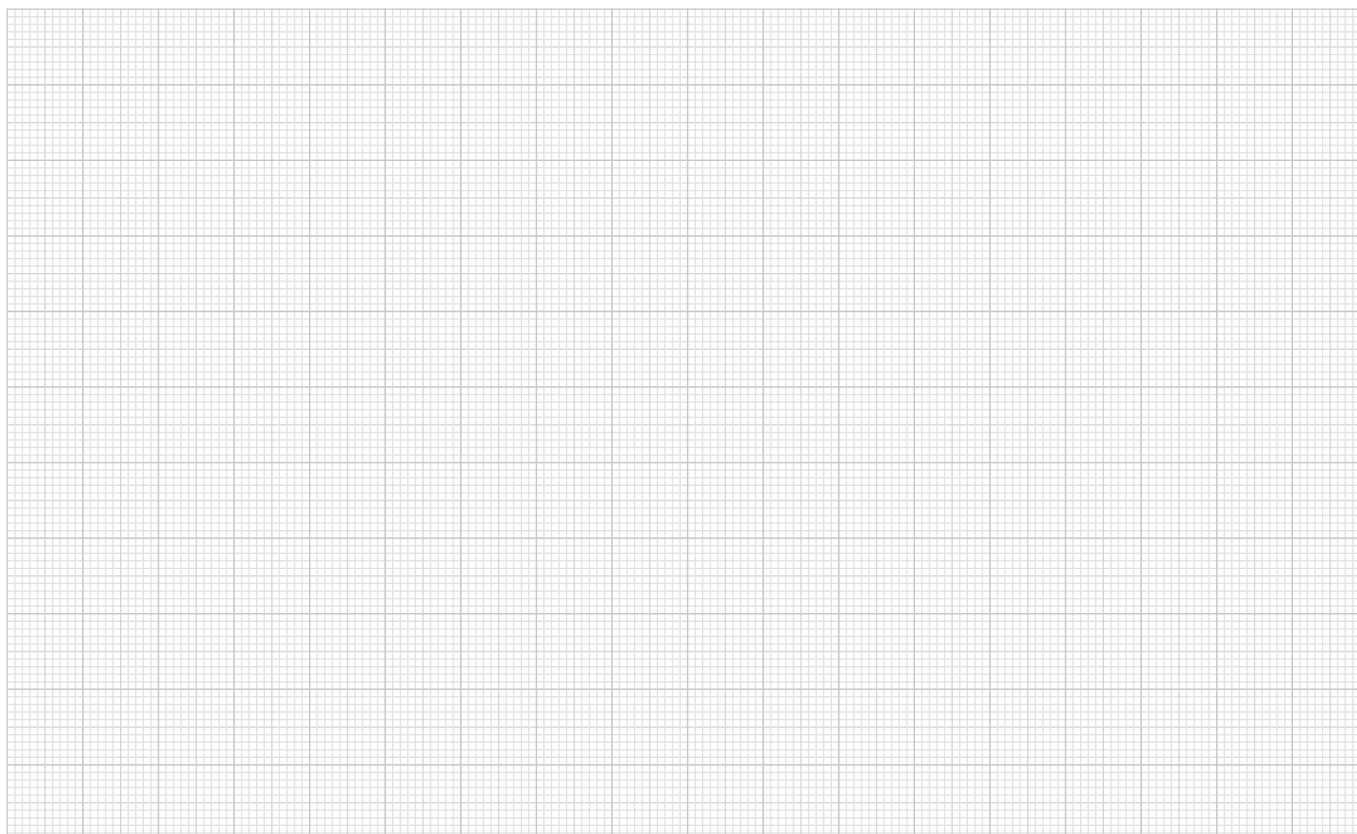
The aluminium profile is matched to the roller elements.

As a result, roller rails and roller tracks can be realised.

The different inserts permit modular and flexible setup.

Order No.	Slot width	Profile	B	H	Ix cm ⁴	Iy cm ⁴	Wx cm ³	Wy cm ³	Profile area cm ²	Approx. weight kg/m
10161-104040X****	10	40x40	40	40	5,89	10,31	2,31	5,16	5,05	1,36

Notes



Connecting sets standard

Type I


Material:

Steel.

Version:

Electro zinc-plated.

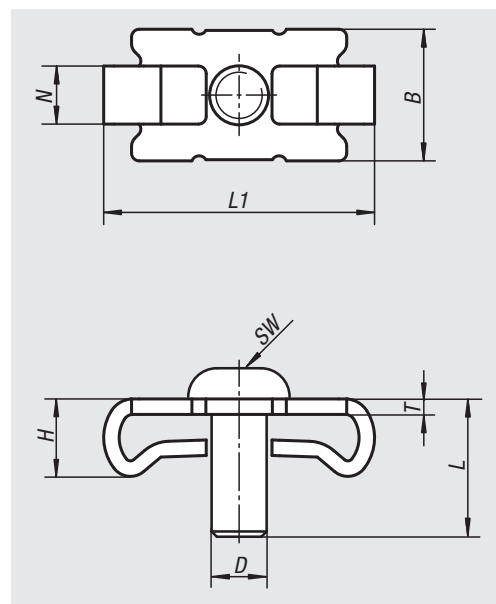
Sample order:

nIm 10200-06

Note:

The connecting sets are used for connecting two aluminium profiles at right angles. The connection is non-rotating. For larger profiles several connecting sets can be mounted on the end for greater strength

Low workload. Cut a thread in the end face core hole. Drill a through hole for tightening the screw in the opposing profile.



Order No.	Type	Slot width	D	B	H	L	L1	N	T	SW
10200-06	I	6	M6	13	7,3	14	27,5	6	2	4
10200-08	I	8	M8	17	9,5	20	35	8	2	5

Connecting sets universal

Type I



Material:

Connector die-cast zinc.
Screw and slot nuts steel.

Version:

Electro zinc-plated.

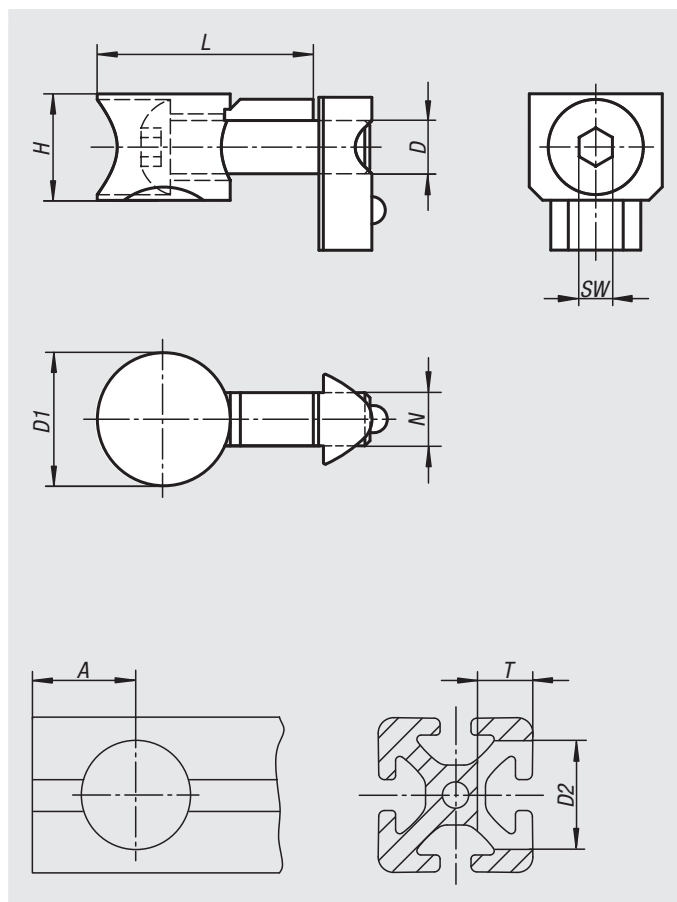
Sample order:

nlm 10202-06

Note:

The connecting sets are used for connecting two aluminium profiles at right angles. They allow a free positioning of profiles. The connection is non-rotating (the rotation lock can be broken off). For larger profiles several connecting sets can be mounted on the end for greater strength. Retrofitting into existing constructions is possible.

Low workload. The connecting set requires only one hole drilled in one end.



Order No.	Type	Slot width	D	D1	H	L	N	SW	A	D2	T
10202-06	I	6	M6	16	12,5	25,2	6,2	4	15	16	12,7
10202-08	I	8	M8	20	16	33,5	8	5	20	20	16

Connecting sets central

Type I



Material:
Steel.

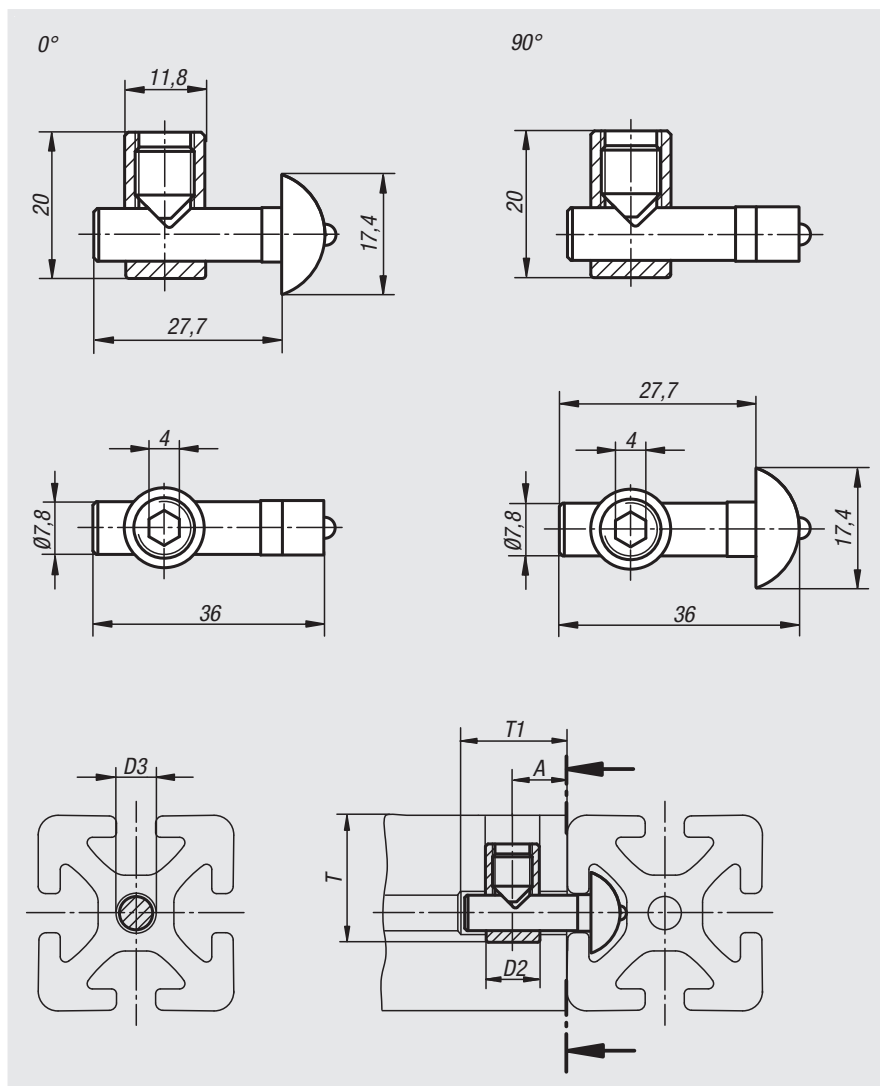
Version:
Electro zinc-plated.

Sample order:
nlm 10204-0800

Note:
The connecting sets are used to connect two aluminium profiles at right angles. They allow free position of the profiles. The profile slots positioned at right-angles to each other remain free. Panel elements can be positioned in the profile grooves without additional machining.

Due to the reduced clamping force and omitted rotation locks, these connecting sets should only be used in combination with panel elements and lightly loaded constructions.

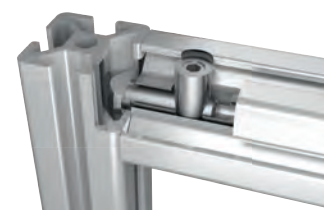
Low workload. To assemble a hole must be drilled into one of the profiles and the core hole must be drilled out.



0°



90°



Order No.	Type	Slot width	Version	A	D2	D3	T	T1
10204-0800	I	8	0°	15	12	8	28	28
10204-0890	I	8	90°	15	12	8	28	28

Connecting sets central

Type B


Material:

Steel.

Version:

Electro zinc-plated.

Sample order:

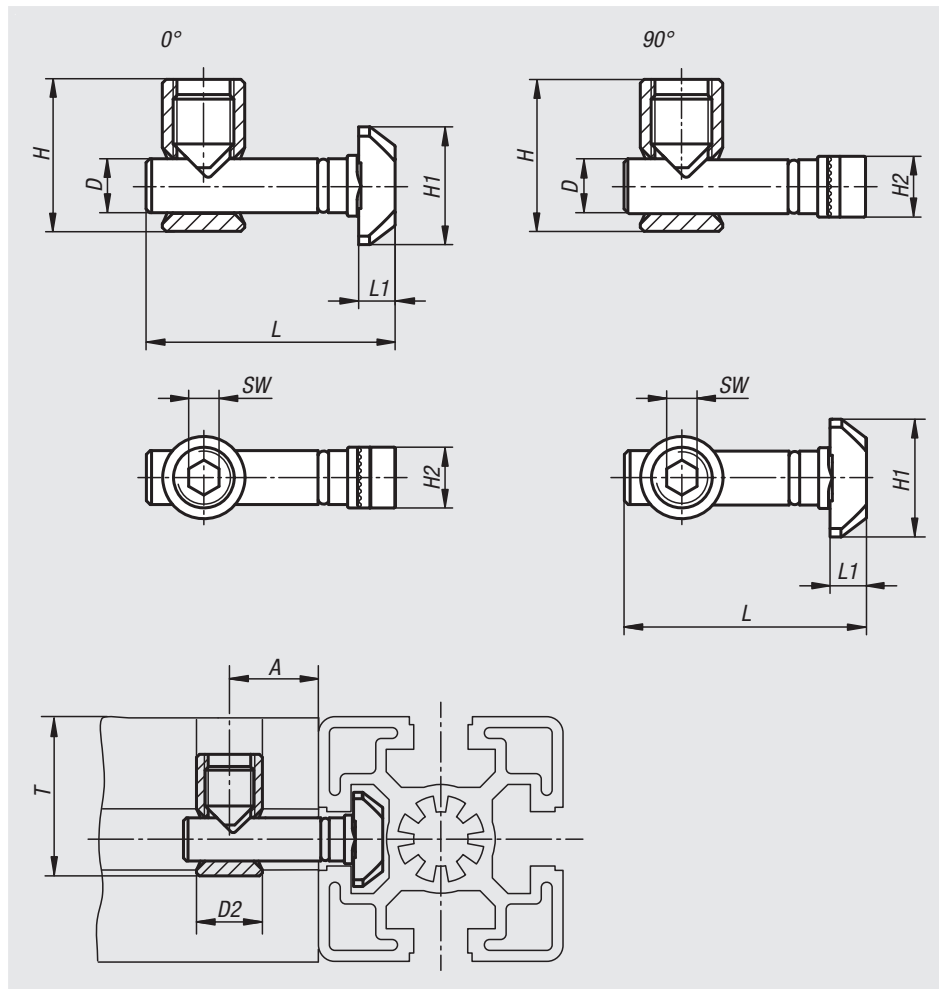
nlm 10205-1000

Note:

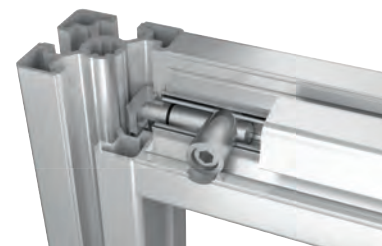
The connecting sets are used to connect two aluminium profiles at right angles. They allow free position of the profiles. The profile slots positioned at right-angles to each other remain free. Panel elements can be positioned in the profile slots without additional machining.

Due to the reduced clamping force and omitted rotation locks, these connecting sets should only be used in combination with panel elements and lightly loaded constructions.

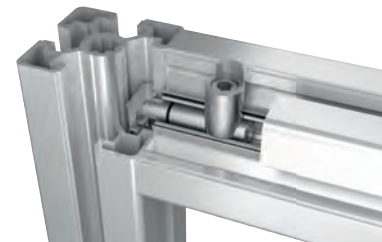
Low workload. To assemble a hole must be drilled into one of the profiles. The D2 hole can also be drilled through.



0°



90°



Order No.	Type	Slot width	Version	A	D	D2	H	H1	H2	L	L1	SW	T for profile 30	T for profile 40	T for profile 45	T for profile 50	T for profile 60
10205-0800	B	8	0°	18	7,1	11	20	15,5	8	33	4,8	4	22	-	-	-	-
10205-0890	B	8	90°	18	7,1	11	20	15,5	8	33	4,8	4	22	-	-	-	-
10205-1000	B	10	0°	22,5	9,7	17	28	19,5	10	45,5	5,5	6	-	31	34	36	41
10205-1090	B	10	90°	22,5	9,7	17	28	19,5	10	45,5	5,5	6	-	31	34	36	41

Connecting sets central

Type B



Material:
Steel.

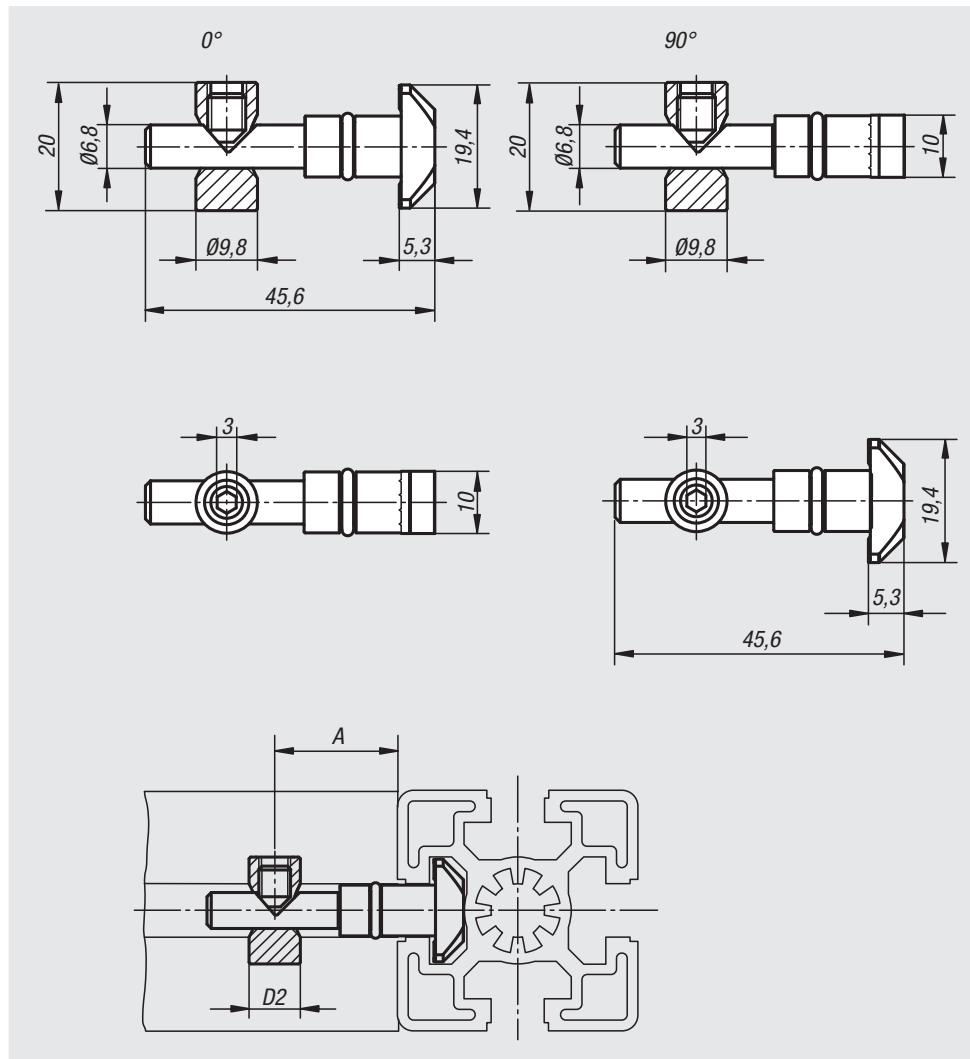
Version:
Electro zinc-plated.

Sample order:
nlm 10206-1000

Note:
The connecting sets are used to connect two aluminium profiles at right angles. They allow free position of the profiles. The profile slots positioned at right-angles to each other remain free. Panel elements can be positioned in the profile slots without additional machining.

Due to the reduced clamping force and omitted rotation locks, these connecting sets should only be used in combination with panel elements and lightly loaded constructions.

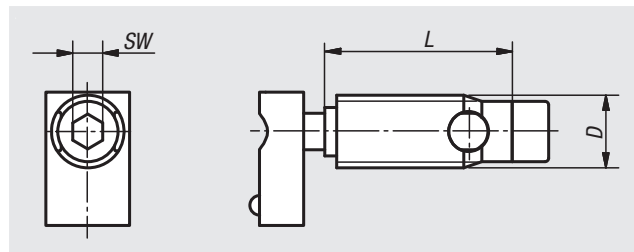
Low workload. To assemble a hole must be drilled into one of the profiles. Due to the reduced pin diameter the slot is not damaged and can be completely covered with a cover profile.



Order No.	Type	Slot width	Version	A	D2
10206-1000	B	10	0°	22,5	9,8
10206-1090	B	10	90°	22,5	9,8

Connecting sets automatic

Type I



Material:

Steel.

Version:

Electro zinc-plated.

Sample order:

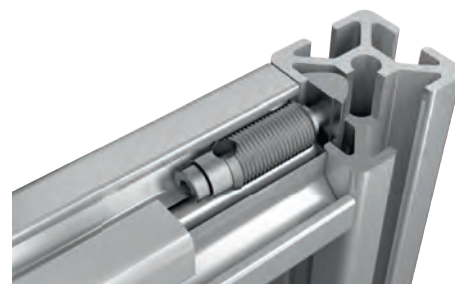
nln 10210-06

Note:

The connecting sets are used to connect two aluminium profiles at right angles. They allow free position of the profiles.

No profile machining is necessary. The connector is screwed into the profile slot from the front (left-hand thread). The connector has a self-tapping thread. The use of lubricants is recommended.

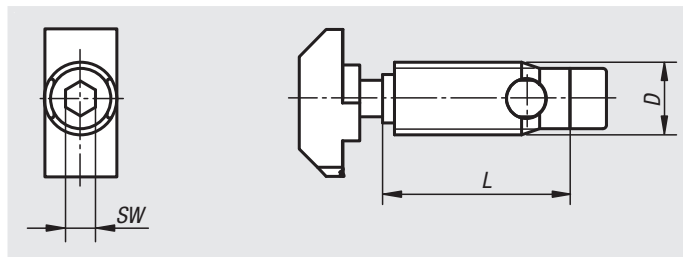
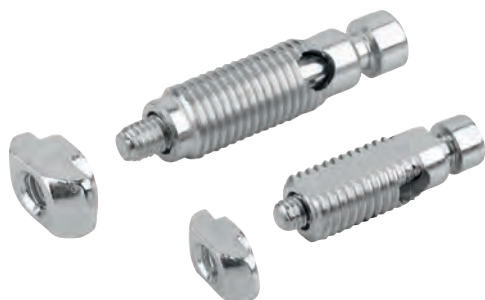
Connecting sets automatic should always be used opposite each other in pairs.



Order No.	Type	Slot width	D	L	SW
10210-06	I	6	10	27	4
10210-08	I	8	12	31	5

Connecting sets automatic

Type B


Material:

Steel.

Version:

Electro zinc-plated.

Sample order:

nlm 10212-1012

Note:

The connecting sets are used to connect two aluminium profiles at right angles. They enable free positioning of the profiles.

No machining of the profile is required. The connector is screwed into the profile slot from the front (left-hand thread). The connector has a self-tapping thread. The use of lubricants is recommended.

Automatic connecting sets should always be used opposite each other in pairs.

Connecting set for slot width 8 has a flattened thread to prevent protruding after installation.



Order No.	Type	Slot width	D	L	SW
10212-0810	B	8	10,7	24	4
10212-1012	B	10	12	35	5
10212-1013	B	10 light	13	35	5

Pin connector sets

Type B


Material:

Pins, screws and T-nuts steel.

Locating pin and end caps polyamide, fibreglass reinforced.

Version:

Pins, screws and T-nuts electro zinc-plated.

Locating pin and end caps black.

Sample order:

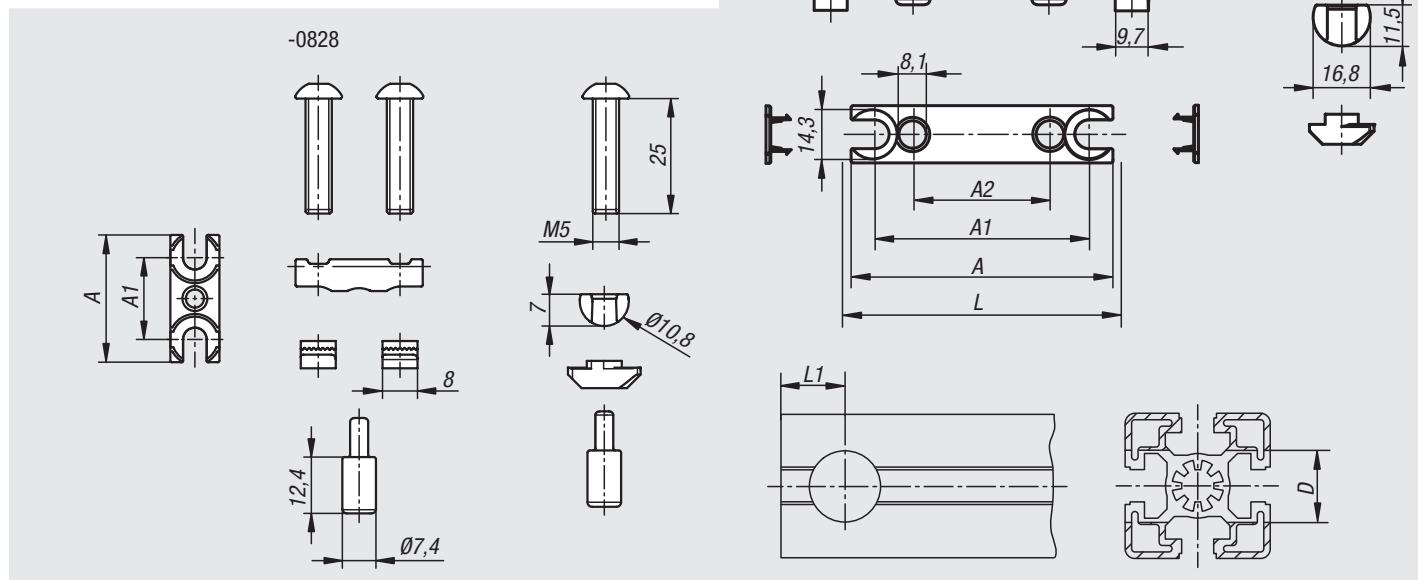
nlm 10215-1040

Note:

The connecting sets are used to connect two aluminium profiles at right angles. They allow free position of the profiles. Suitable for high loads and torsional forces.

Low processing workload. The connecting set requires only one $\varnothing 17$ mm hole drilled in one end for installation.

The connecting set 10215-0828 requires only one $\varnothing 11$ mm hole drilled in one end for installation.



Order No.	Type	Slot width	A	A1	A2	D	L	L1
10215-0828	B	8	28	18	-	11	-	18
10215-1040	B	10	37	23	-	17	40	22,5
10215-1045	B	10	42	28	-	17	45	22,5
10215-1060	B	10	57	43	-	17	60	22,5
10215-1080	B	10	77	63	40	17	80	22,5
10215-1090	B	10	87	73	45	17	90	22,5

Cube connector sets

Type B



Material:

Cube die-cast aluminium.
Screws steel.
End caps polyamide.

Version:

Aluminium bright.
Screws with self-tapping thread.
End cap black.

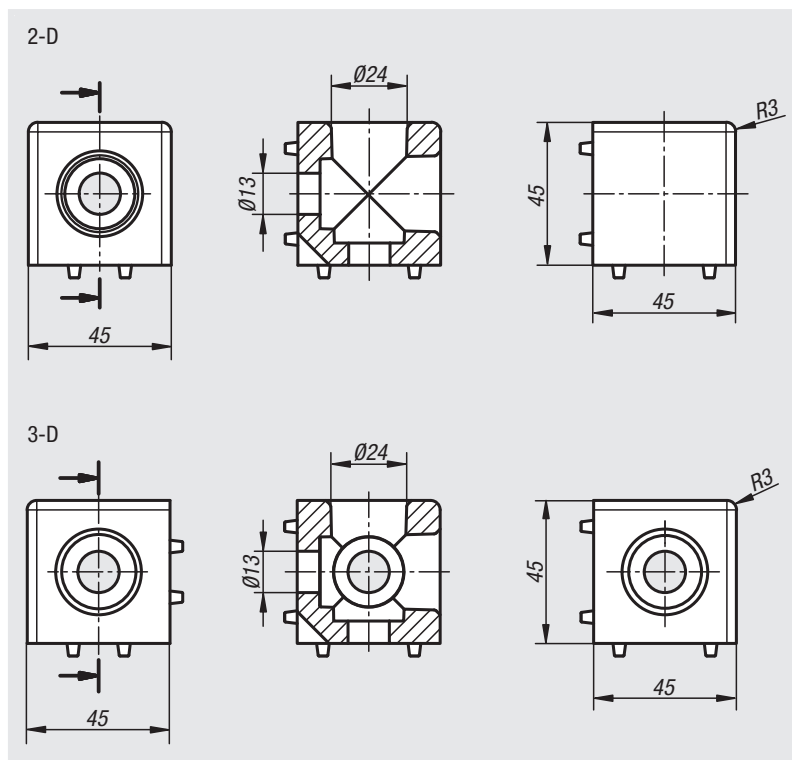
Sample order:

nIm 10220-102

Note:

The cube connector can be used to connect two or three profiles to each other by the end faces. The cube connectors have guide lugs that ensure a perfect and secure installation. Fastening to the profile is carried out by self-tapping screws. The open holes can be closed off with the end caps.

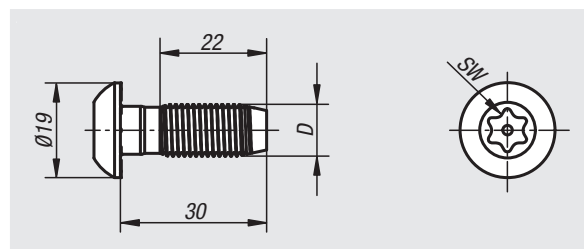
The profile slots positioned at right-angles to each other remain free. Panel elements can be positioned in the profile slots without additional machining.



Order No.	Type	Slot width	Version
10220-102	B	10	2-D
10220-103	B	10	3-D

Central screws

Type B



Material:

Steel.

Version:

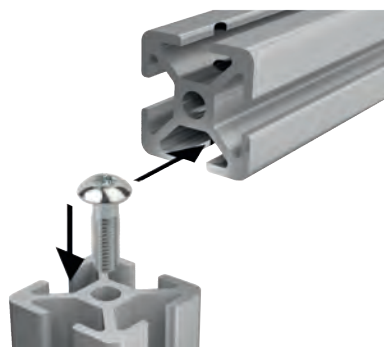
Electro zinc-plated.

Sample order:

nln 10228-1012

Note:

Self-tapping screw for end face core hole. Ideal for fastenings without an angle or additional connectors not exposed to high loads.



Order No.	Type	Slot width	D	SW
10228-1012	B	10	S12	T50

Threaded insert, steel, self-tapping, type B

**Material:**

Steel.

Version:

Steel, case hardened, electro zinc-plated.

Sample order:

nlm 10228-01-08

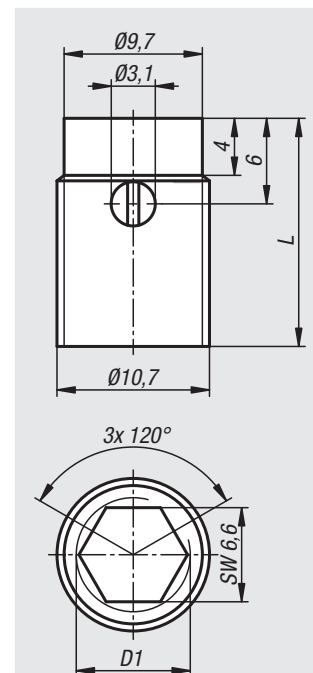
Note:

Self-tapping threaded inserts for making high-strength, wear-free, vibration-resistant fastenings in aluminium profiles. To reduce the thread size from M10 to M8. Only suitable for aluminium profiles with a core hole diameter of 10 mm.

Accessories:

Assembly tool 10228-01-808.

Aluminium profiles type B, e.g. 10157



01000

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Order No.

D1

L

for Art. No.

10228-01-08

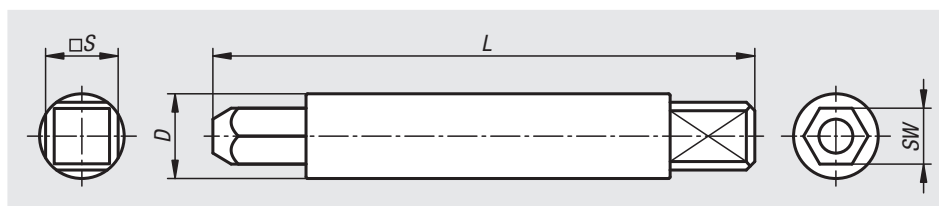
M8

16

10228-01-808

Assembly tool, steel,

for self-tapping threaded inserts type B

**Material:**

Steel.

Version:

Manual assembly tool, electro zinc-plated.

Sample order:

nIm 10228-01-808

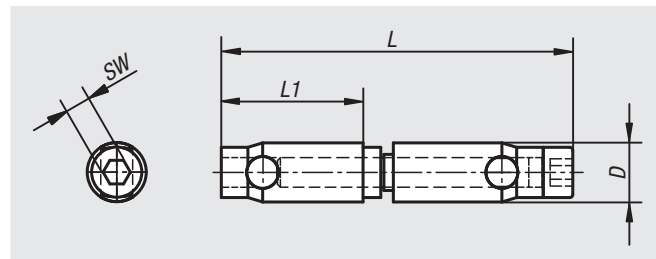
Note:

Inserts are screwed in using this manual assembly tool together with a tap wrench, socket set, cordless screwdriver etc.

Order No.	SW	L length	S	D
10228-01-808	6,6	64	8	10

Butt connector sets automatic

Type I


Material:

Steel.

Version:

Electro zinc-plated.

Sample order:

nln 10230-06

Note:

The connecting sets are used to connect two aluminum profiles of the same series from the front.

No machining of the profile is necessary. The connector is screwed into the profile slot from the front (connector with through hole left-hand thread. Connector with internal thread right-hand thread). The connector has a self-tapping thread. The use of lubricants is recommended.

Automatic connecting sets should always be used in pairs. More pairs are required for large profiles and loads.



Order No.	Type	Slot width	D	L	L1	SW
10230-06	I	6	10	60	24	4
10230-08	I	8	12	69	27	5

Straps

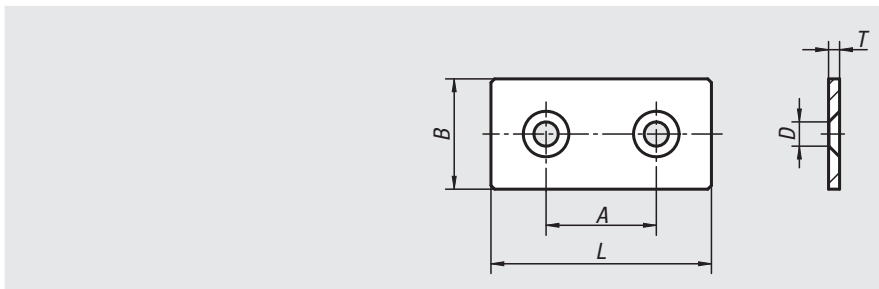


Material:
Steel.

Version:
black powder-coated.

Sample order:
nlm 10240-061

Note:
Universal fastening element for a rigid connection and linkage of profiles, panel elements or lightweight shelving.



Order No.	Type	Slot width	A	B	D for screw	L	T
10240-061	I	6	30	30	M6	60	3
10240-081	B & I	8/10	40	40	M8	80	5
10240-101	B	8/10	45	45	M8	90	5

10242

Angles

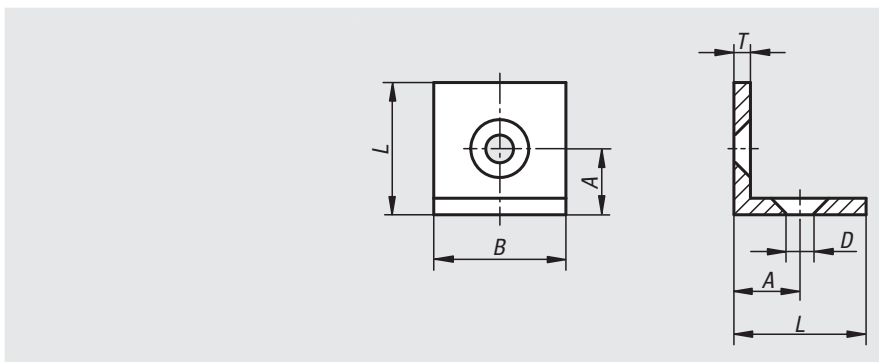


Material:
Steel.

Version:
black powder-coated.

Sample order:
nlm 10242-061

Note:
Universal fastening element for a rigid connection and linkage of profiles, panel elements or lightweight shelving.



Order No.	Type	Slot width	A	B	D for screw	L	T
10242-061	I	6	15	30	M6	30	3
10242-081	I	8/10	20	40	M8	40	5

Fastening sets

for straps und angles

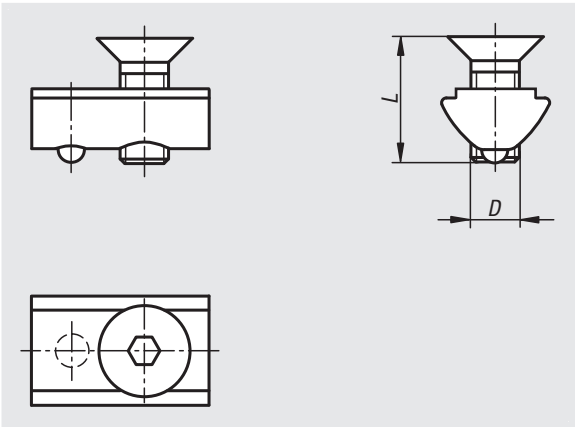


Material:
Steel.

Version:
Slot key electro zinc-plated.
Screw electro zinc-plated, black.

Sample order:
nlm 10244-06

Note:
Consists of two DIN 7991 countersunk screws and
two slot nuts.



Order No.	Version 1	Version 2	Slot width	D	L
10244-06	type I	slot key with step	6	M6	10
10244-08	type I	slot key with step	8	M8	14

Angle sets

Type I



Material:

Angle die-cast zinc.

Screws and slot nuts steel.

End cap polyamide, fibreglass reinforced.

Version:

Angle painted aluminium tone.

Screws and slot nuts electro zinc-plated.

End cap black.

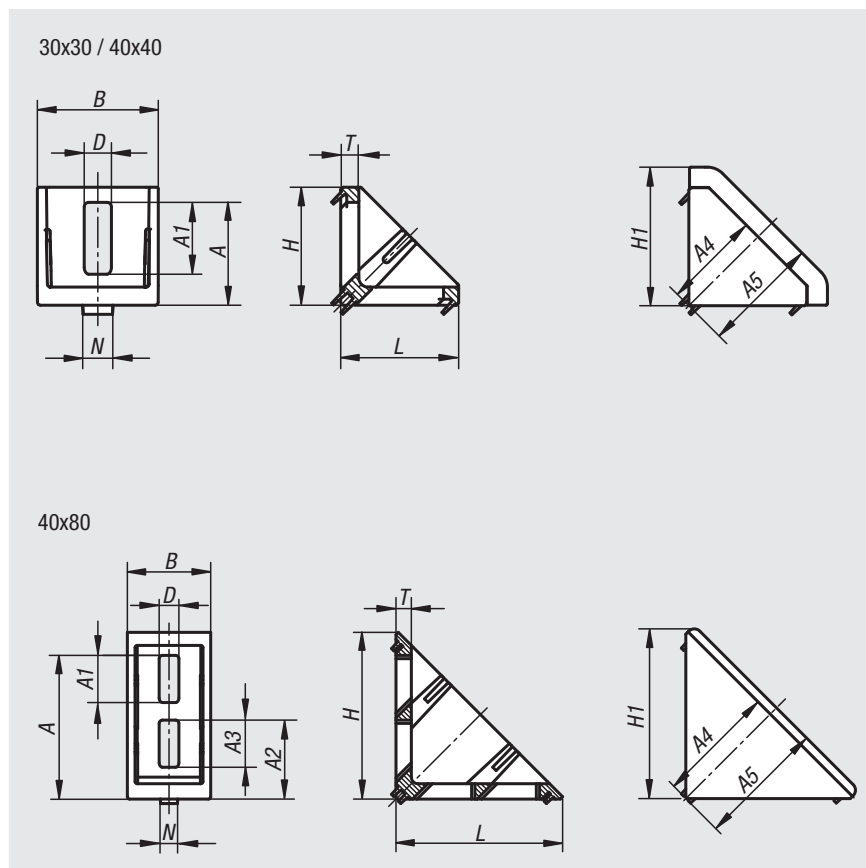
Sample order:

nIm 10250-063030

Note:

Suitable for reinforcing profile constructions and for frictional connection of profiles with each other without machining. Can also be used as fastening element (e.g. bracket) for any components.

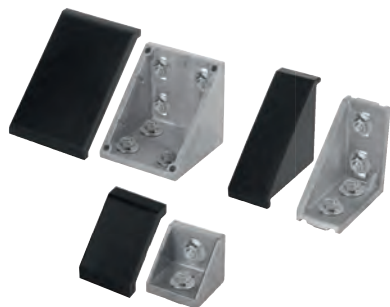
The angles have centring lugs for accurate and twist-proof mounting. The centring lugs can be removed if necessary by breaking off i.e. for mounting plates. The open side can be closed off with the end cap.



Order No.	Type	Slot width	Version	A	A1	A2	A3	A4	A5	B	D	H	H1	L	N	T
10250-063030	I	6	30x30	22,5	11	-	-	23	27	28	6,5	28	32	28	6	4
10250-084040	I	8	40x40	34	24	-	-	32,5	39	40	9	39	46	39	8	6
10250-088080	I	8	40x80	65,5	21,5	36	21,5	54,5	58,5	38	9	76	78	76	8	7

Angle sets

Type B



Material:

Angle die-cast aluminium.

Screws and slot nuts steel.

End cap polyamide, fibreglass reinforced.

Version:

Angle bright.

Screws and slot nuts electro zinc-plated.

End cap black.

Sample order:

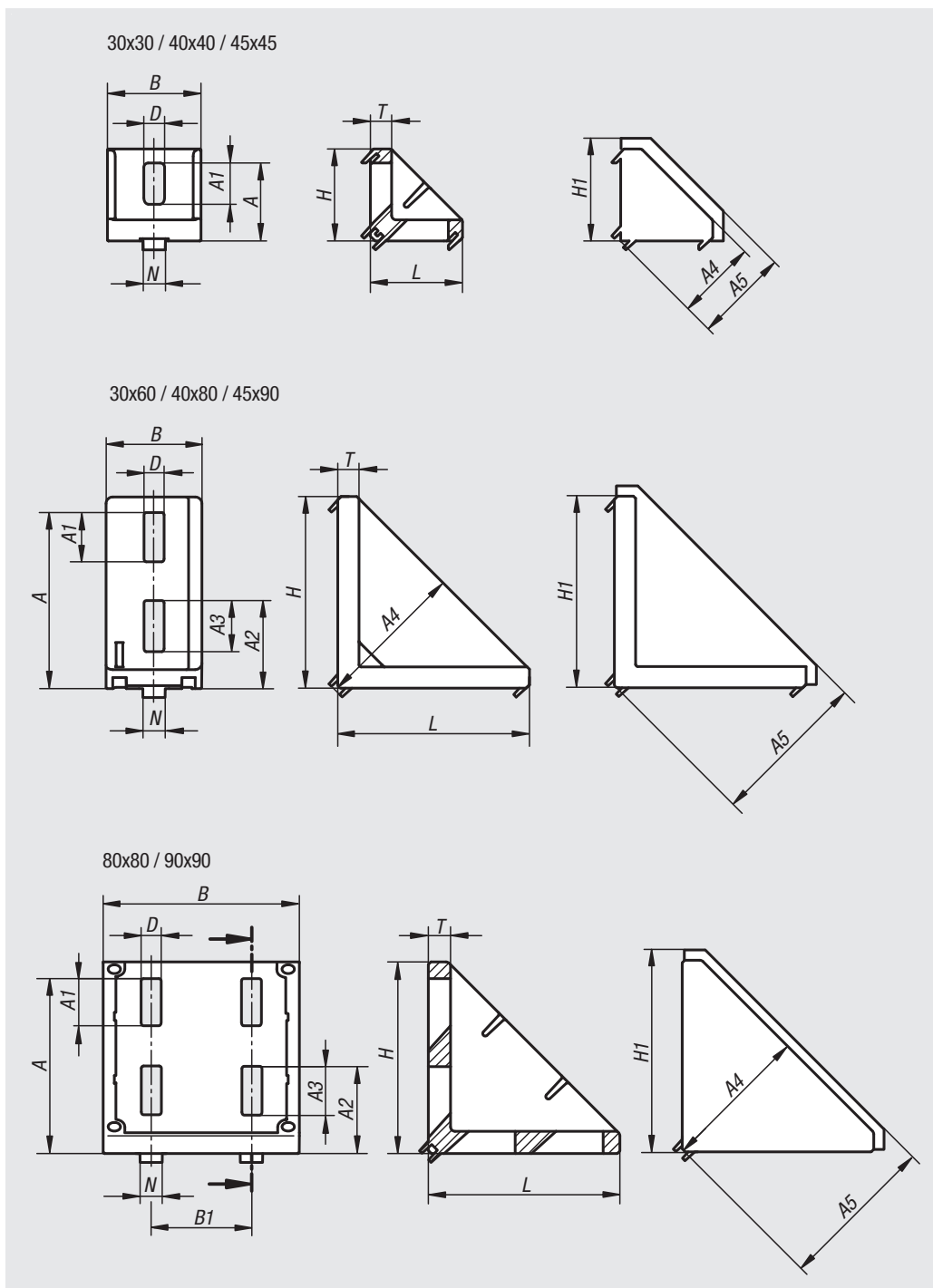
n1m 10252-104040

Note:

Suitable for reinforcing profile constructions and for frictional connection of profiles with each other without machining. Can also be used as fastening element (e.g. bracket) for any components.

The angles have centring lugs for accurate and twist-proof mounting.

The centring lugs can be removed if necessary by breaking off i.e. for mounting plates. The open side can be closed off with the end cap.



Order No.	Type	Slot width	Version	A	A1	A2	A3	A4	A5	B	B1	D	H	H1	L	N	T
10252-083030	B	8	30x30	22	9,5	-	-	23	29	28	-	6,4	27	30	27	8	6
10252-083060	B	8	30x60	51	11	23	11	44	49	28	-	6,4	57	61	57	8	5,5
10252-104040	B	10	40x40	29,5	20,5	-	-	29,5	36,5	38	-	9	36	41,5	36	10	5,5
10252-104545	B	10	45x45	35	18,5	-	-	35	44,5	42	-	9	41	50,5	41	10	9,5
10252-104080	B	10	40x80	68	20	35	23	59	64	38	-	9	76	80	76	10	8,5
10252-104590	B	10	45x90	79	22	39,5	23	67	72	43	-	9	86	90	86	10	9,5
10252-108080	B	10	80x80	68,5	20	35	20	58,5	65	74	40	9	76	82,5	76	10	8
10252-109090	B	10	90x90	78,5	21	39	22	67	75	88	45	9	86	94,5	86	10	10

Angle elements T1

Type I



Material:

Aluminium.

Version:

anodised.

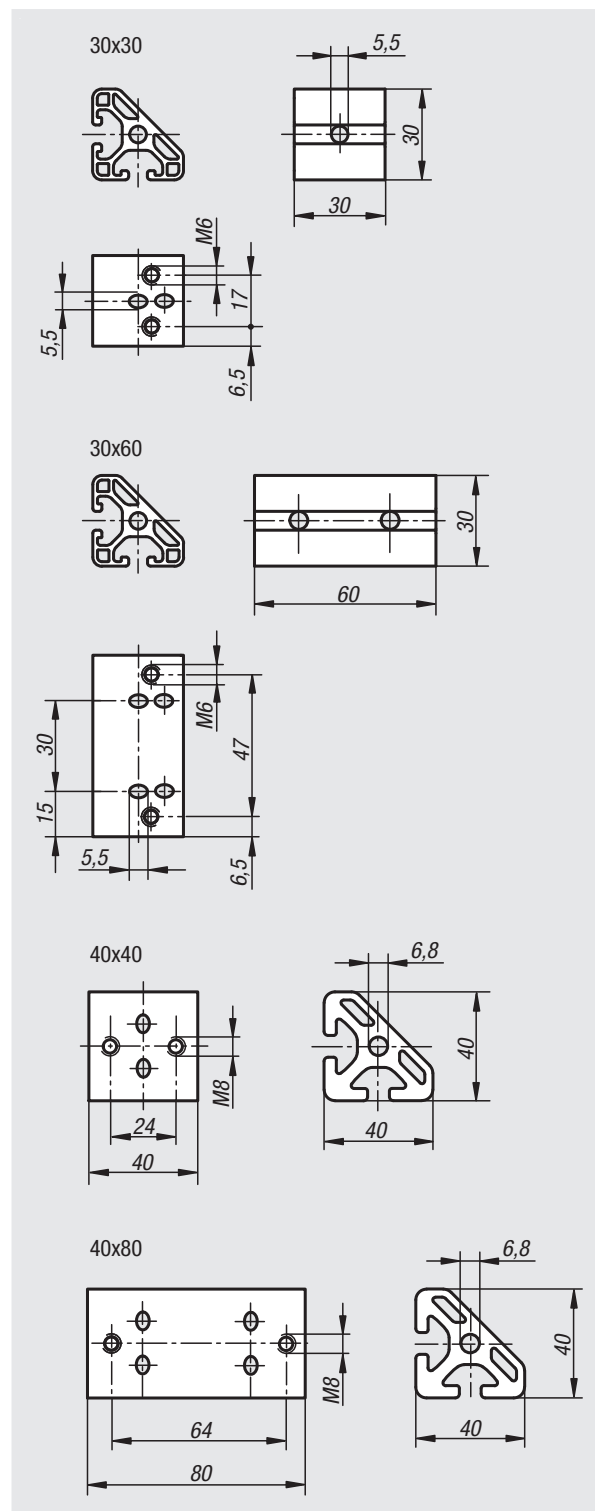
Sample order:

nlm 10260-063030

Note:

Angle element for fastening a profile at a 45° angle and for making struts or ties.

The angle element can be fastened with a universal connector set (remove rotation lock) and with ISO 7380 round-head screws.



Order No.	Type	Slot width	Version
10260-063030	I	6	30x30
10260-063060	I	6	30x60
10260-084040	I	8	40x40
10260-084080	I	8	40x80

Angle elements T2

Type I



Material:

Aluminium.

Version:

anodised.

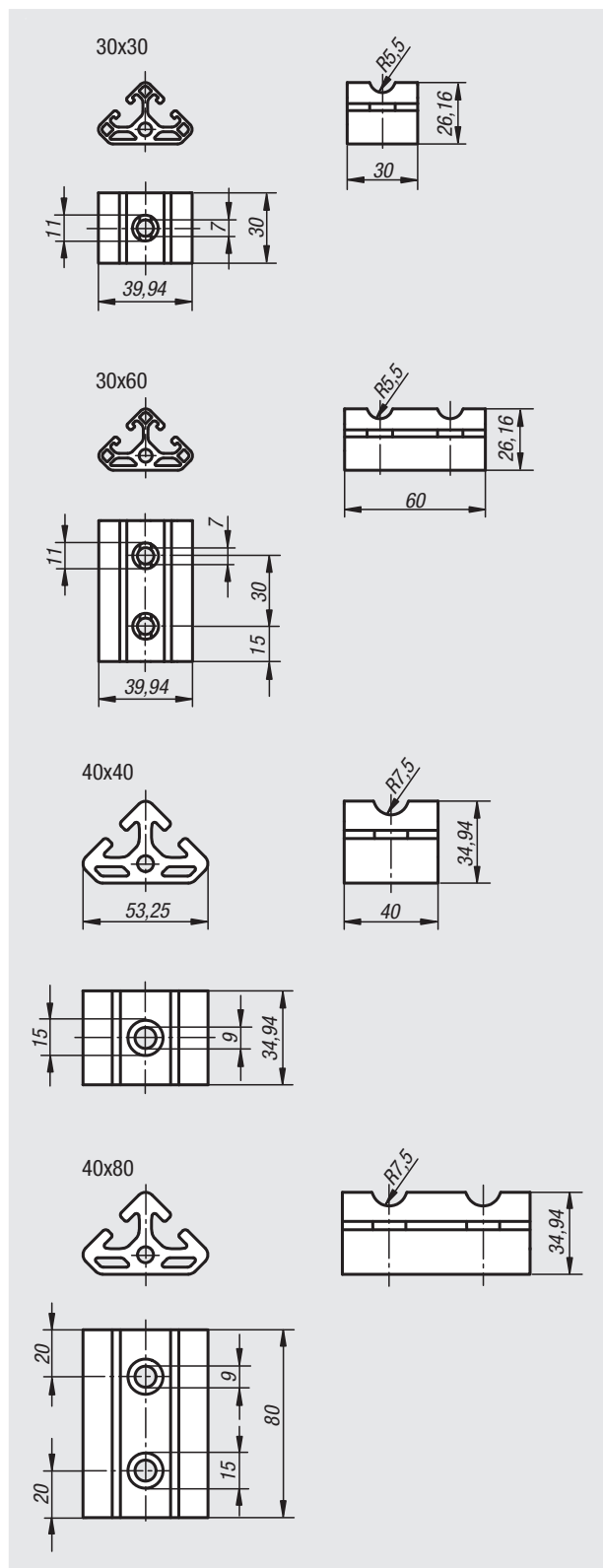
Sample order:

nIm 10261-063030

Note:

Angle element for fastening two profiles at a 45° angle and for making struts or ties.

The angle element can be fastened with universal connector sets and ISO 7380 round-head screws.



Order No.	Type	Slot width	Version
10261-063030	I	6	30x30
10261-063060	I	6	30x60
10261-084040	I	8	40x40
10261-084080	I	8	40x80

Clamping angles

Type I



Material:

Clamping angle die-cast zinc.
Grip die-cast zinc DIN EN 12844. Steel parts stainless steel 1.4305.
Cam lever cast aluminium. Body steel.

Version:

Clamping angle painted aluminium tone.
Handle powder-coated. Stainless steel bright.
Slot key electro zinc-plated.
Cam lever black powder-coated, steel parts black oxidised.

Sample order:

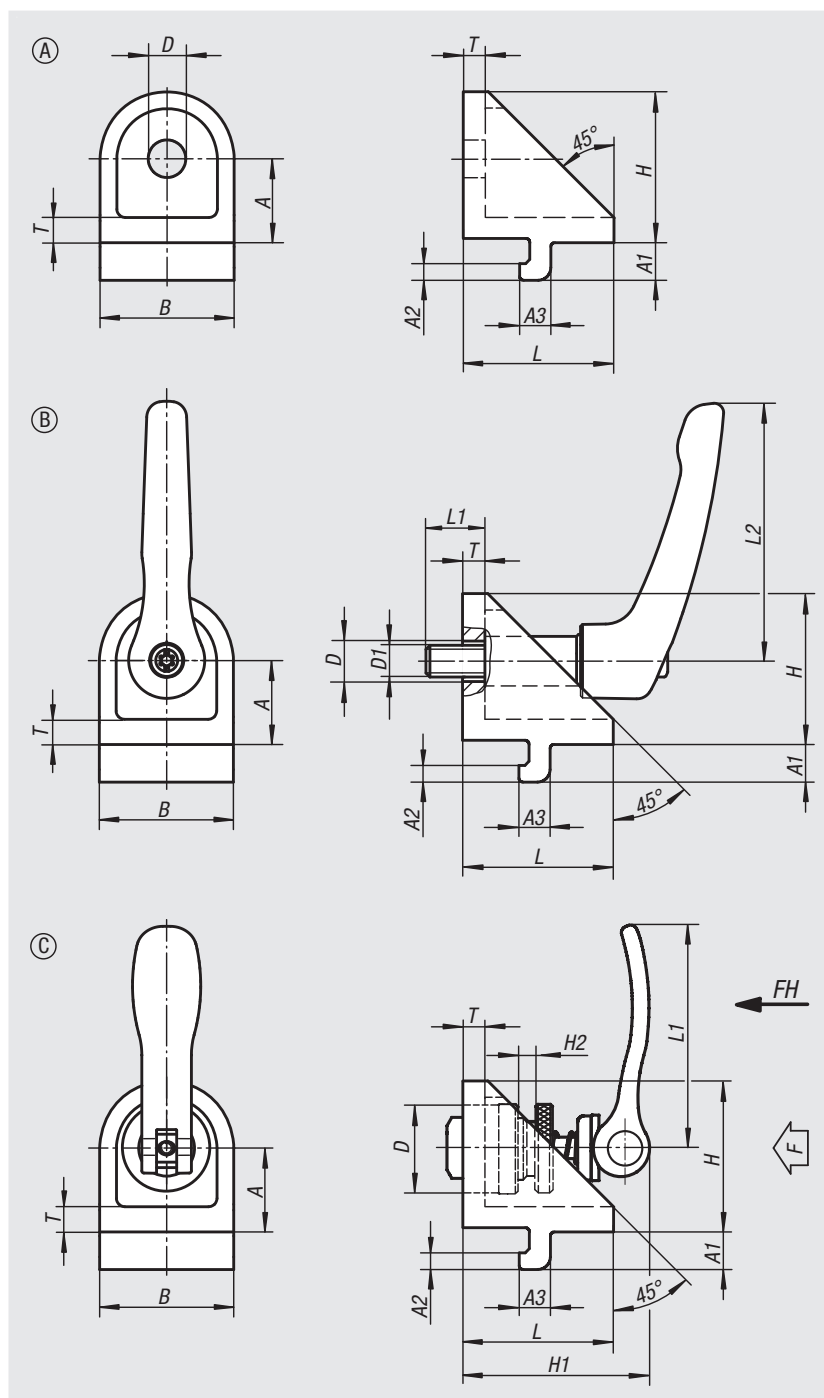
nIm 10265-06

Note:

The clamping angles are used for connecting two profiles of the same series that have contact on the side faces and cross at any angle.

Loosening the screw releases both clamps allowing free rotation and sliding along the slots.

The clamping angles are generally used in pairs or in combination with a joint angle.



Order No.	Type	Slot width	Form	Version 1	A	A1	A2	A3	B	D	D1	H	H1	H2	L	L1	L2	T
10265-06	I	6	A	-	15	6,3	3	5,7	24	7	-	27	-	-	27	-	-	5
10265-08	I	8	A	-	20	9	4	7,5	32	9	-	36	-	-	36	-	-	6
10265-0606	I	6	B	with clamping lever	15	6,3	3	5,7	24	7	M6	27	-	-	27	13	40	5
10265-0808	I	8	B	with clamping lever	20	9	4	7,5	32	9	M8	36	-	-	36	18	65	6
10265-0615	I	6	C	with eccentric clamp	15	6,3	3	5,7	24	15	-	27	34	6	27	36,2	-	5
10265-0820	I	8	C	with eccentric clamp	20	9	4	7,5	32	20	-	36	44	8	36	52,3	-	6

Joint angles

Type I



Material:

Joint angle die-cast zinc.
Pivot bush steel.

Version:

Joint angle painted aluminium tone.
Pivot bush electro zinc-plated.

Sample order:

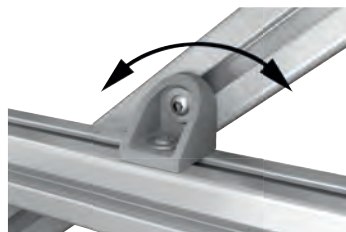
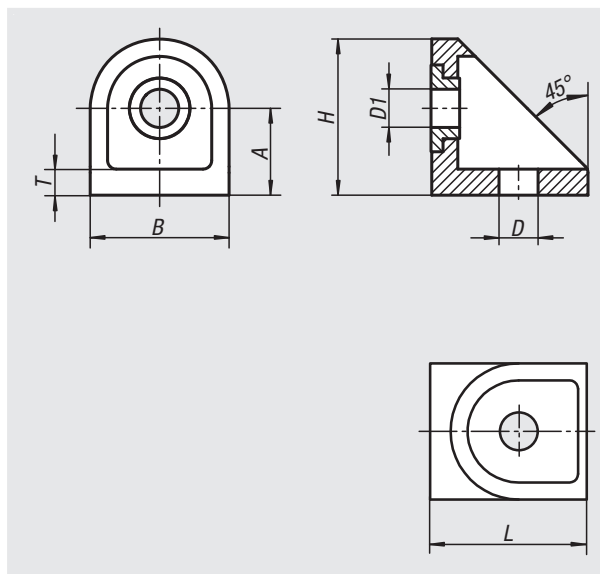
nln 10266-06

Note:

The joint angles are used for connecting two profiles of the same series that have contact on the side faces and cross at any angle.

The joint angle acts as a fixed pivot point for the crossed profiles. When the screw is tightened the profile can still be freely rotated around the pivot bush.

The joint angles are generally used in combination with a clamping angle.



Order No.	Type	Slot width	A	B	D	D1	H	L	T
10266-06	I	6	15	24	7	6,5	27	27	5
10266-08	I	8	20	32	9	8,8	35,2	36	5,5

Joints

Type B and Type I



Material:

Joint die-cast zinc.

Fastenings die-cast zinc.

Spacer rings stainless steel.

Tapped bushes and countersunk screws steel.

Handle die-cast zinc DIN EN 12844. Metal parts stainless steel 1.4305.

Version:

Joint painted aluminium tone.

Fasteners electro zinc-plated.

Spacer rings bright.

Tapped bushes and countersunk screws electro zinc-plated.

Handle powder-coated. Steel parts bright stainless steel.

Sample order:

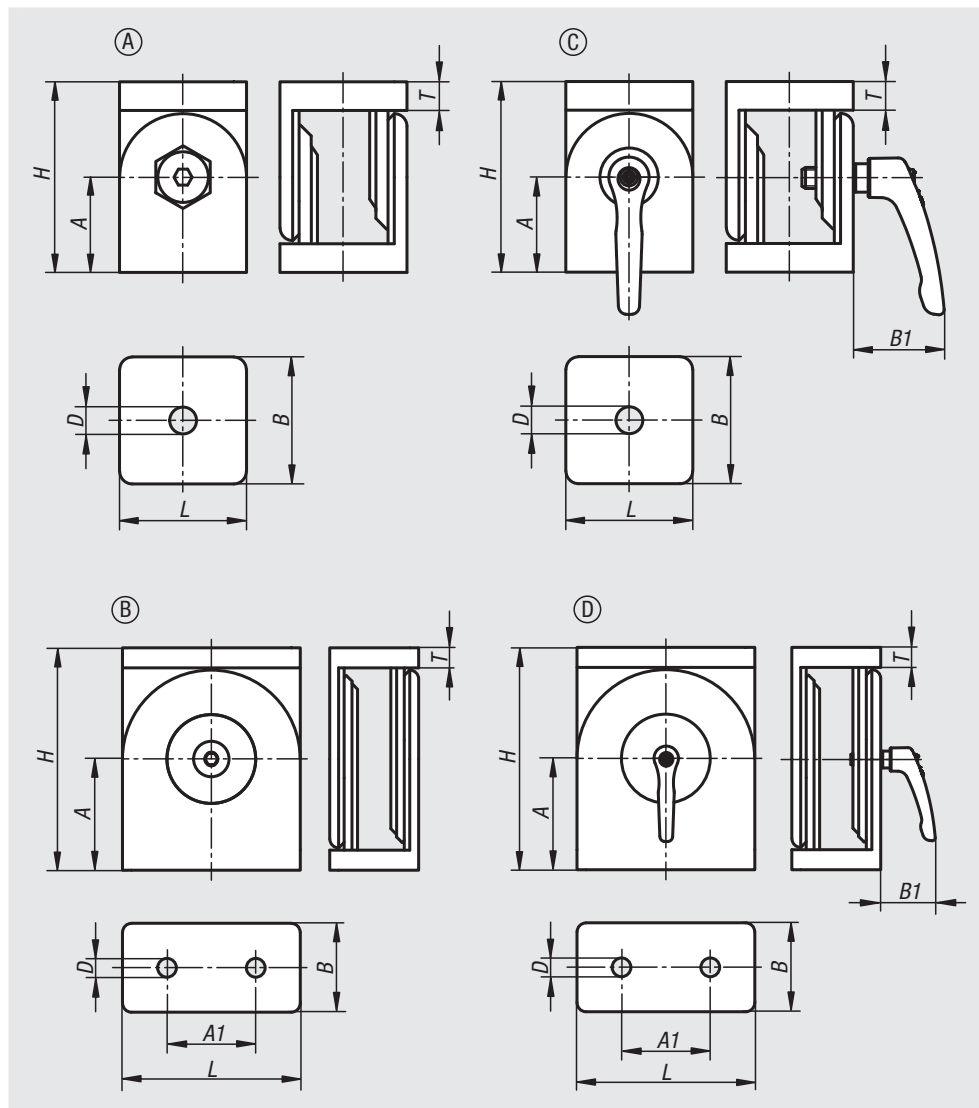
nIm 10270-063030

Note:

Joints for connecting two profiles at any angle.

The adjustment range is 0° to 180°. The joint can also be used as a heavy hinge.

When the spacer rings are inserted, the joint can move freely. When these are removed, the joint can be used as a rigid angle element. The joints are particularly suitable for use as adjustable brackets, swivel arms or similar applications.



Joints

Type B and Type I

Joints without clamping levers

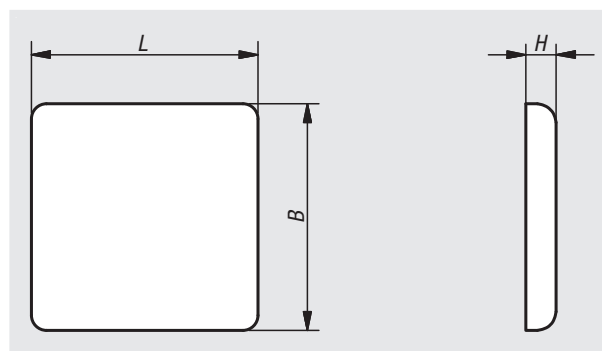
Order No.	Type	Slot width	Form	A	A1	B	D	H	L	T
10270-063030	I	6	A	22,5	-	30	6,4	45	30	7
10270-084040	I	8	A	30	-	40	8,4	60	40	9
10270-084080	I	8	B	50	40	40	8,4	100	80	9
10270-083030	B	8	A	22,5	-	30	8,3	45	30	7
10270-104545	B	10	A	30	-	45	8,5	60	45	8
10270-104590	B	10	B	50	45	45	8,5	100	90	9

Joints with clamping levers

Order No.	Type	Slot width	Form	A	A1	B	B1	D	H	L	T
10270-1063030	I	6	C	22,5	-	30	31	6,4	45	30	7
10270-1084040	I	8	C	30	-	40	31	8,4	60	40	9
10270-2084080	I	8	D	50	40	40	31	8,4	100	80	9
10270-1104545	B	10	C	30	-	45	42,5	8,5	60	45	8
10270-2104590	B	10	D	50	45	45	42,5	8,5	100	90	9

End caps

Type B and Type I


Material:

Polyamide fibreglass reinforced.

Version:

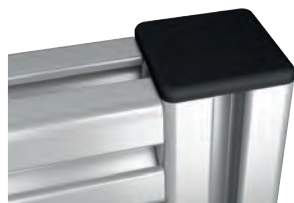
black.

Sample order:

nIm 10300-06303011

Note:

Round edged covers with rotation lock for covering the profile ends. Prevents dirt from penetrating and avoids injuries. Simple clip-on mounting.



Order No.	Type	Slot width	Profile	B	L	H
10300-06303011	I	6	30x30	30	30	3
10300-06306011	I	6	30x60	30	60	3
10300-06606011	I	6	60x60	60	60	3
10300-08164011	I	8	16x40	16	40	4
10300-08404011	I	8	40x40	40	40	4
10300-08408011	I	8	40x80	40	80	4
10300-08808011	I	8	80x80	80	80	4
10300-08303021	B	8	30x30	30	30	4
10300-08306021	B	8	30x60	30	60	4
10300-10404021	B	10	40x40	40	40	4
10300-10408021	B	10	40x80	40	80	4
10300-10454521	B	10	45x45	45	45	4
10300-10456021	B	10	45x60	45	60	4
10300-10459021	B	10	45x90	45	90	4
10300-10909021	B	10	90x90	90	90	4

Cover and adapter profiles

Type B and Type I



Material:

Type I polypropylene.

Type B polypropylene + TPE.

Version:

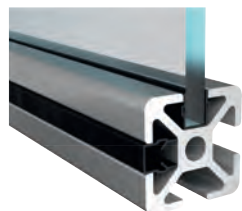
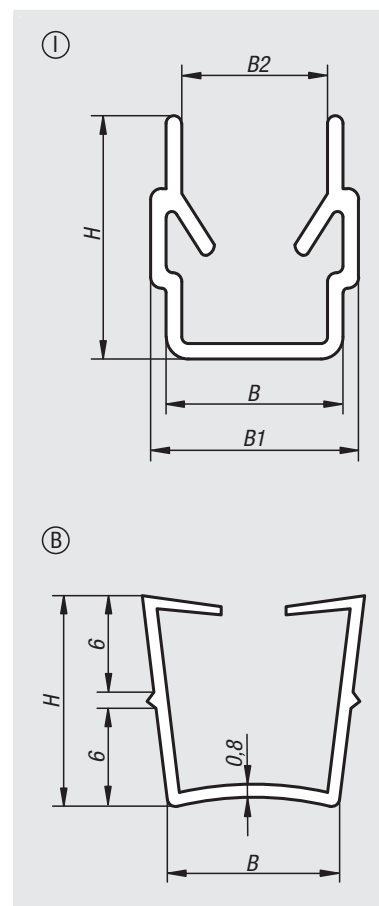
black or bright.

Sample order:

nIm 10315-06120351

Note:

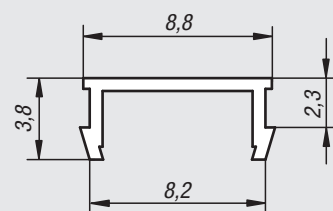
The cover and adapter profile made of flexible plastic are used for two different applications. As a cover profile it seals the profile slots against dust and dirt. As an adapter profile with the open side facing out it is used to hold panel elements.



Order No.	Main colour	Type	Slot width	B	B1	B2	H	Length	Panel element
10315-06120351	black	I	6	6	7	4,4	9,1	2000	2,0 - 3,5
10315-06120350	natural	I	6	6	7	4,4	9,1	2000	2,0 - 3,5
10315-08120601	black	I	8	8	9,4	6,6	9,1	2000	2,0 - 6,0
10315-08140601	black	I	8	8	9,4	6,6	11	2000	4,0 - 6,0
10315-08140600	natural	I	8	8	9,4	6,6	11	2000	4,0 - 6,0
10315-10220601	black	B	10	10	-	-	13	2000	2,0 - 6,0

Cover profiles

Type I



Material:
PVC.

Version:
black.

Sample order:
nlm 10320-0811

Note:
The cover profile made of flexible plastic is used as a cover for the profile slots to protect against dust and dirt.

Order No.	Type	Slot width	Length
10320-0811	I	8	2000

Slide rails

Type I

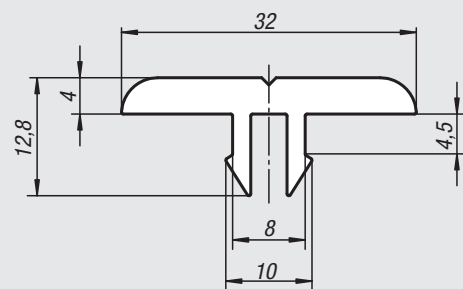


Material:
Polyethylene-HD.

Version:
black.

Sample order:
nlm 10330-081321

Note:
Low-wear slide rail with low slide friction for easy handling of goods. Slide rails can also be used as cover protection, impact protection and guide rails.



Order No.	Type	Slot width	Length
10330-081321	I	8	2000

Notes

A large grid of graph paper for taking notes. The grid consists of 20 columns and 20 rows of squares. The grid is intended for technical drawing or note-taking.

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Foot plates

Type B and Type I


Material:

Die-cast zinc.

Version:

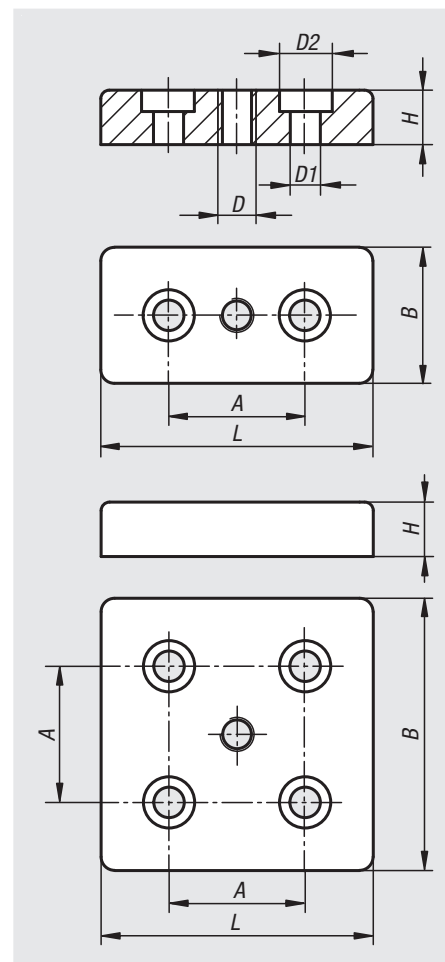
bright or black powder-coated.

Sample order:

nln 10347-0630601081

Note:

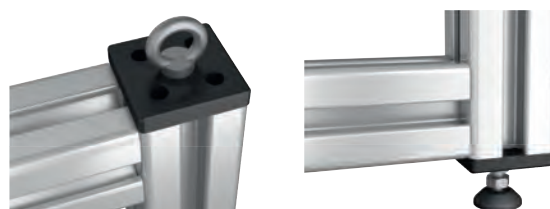
Used to mount levelling feet, rollers, eye bolts and other elements. Can also be mounted to the side of a profile using slot nuts.



Order No.	Finish	Type	Slot width	Profile	B	L	H	A	D	D1	D2
10347-0840801080	bright	I	8	40x80	40	80	16	40	M8	9	15
10347-0840801100	bright	I	8	40x80	40	80	16	40	M10	9	15
10347-0840801120	bright	I	8	40x80	40	80	16	40	M12	9	15
10347-0840801160	bright	I	8	40x80	40	80	16	40	M16	9	15
10347-0880801080	bright	I	8	80x80	80	80	16	40	M8	9	15
10347-0880801100	bright	I	8	80x80	80	80	16	40	M10	9	15
10347-0880801120	bright	I	8	80x80	80	80	16	40	M12	9	15
10347-0880801160	bright	I	8	80x80	80	80	16	40	M16	9	15
10347-1040802080	bright	B	10	40x80	40	80	16	40	M8	14,5	20
10347-1040802100	bright	B	10	40x80	40	80	16	40	M10	14,5	20
10347-1040802120	bright	B	10	40x80	40	80	16	40	M12	14,5	20
10347-1040802160	bright	B	10	40x80	40	80	16	40	M16	14,5	20
10347-1045902100	bright	B	10	45x90	45	90	16	45	M10	14,5	20
10347-1045902120	bright	B	10	45x90	45	90	16	45	M12	14,5	20
10347-1045902140	bright	B	10	45x90	45	90	16	45	M14	14,5	20
10347-1045902160	bright	B	10	45x90	45	90	16	45	M16	14,5	20
10347-1045902200	bright	B	10	45x90	45	90	16	45	M20	14,5	20
10347-1090902100	bright	B	10	90x90	90	90	16	45	M10	14,5	20
10347-1090902120	bright	B	10	90x90	90	90	16	45	M12	14,5	20
10347-1090902140	bright	B	10	90x90	90	90	16	45	M14	14,5	20
10347-1090902160	bright	B	10	90x90	90	90	16	45	M16	14,5	20
10347-1090902200	bright	B	10	90x90	90	90	16	45	M20	14,5	20

Foot plates

Type B and Type I



Order No.	Finish	Type	Slot width	Profile	B	L	H	A	D	D1	D2
10347-0630601081	black powder-coated	I	6	30x60	30	60	12	30	M8	6,6	11
10347-0630601101	black powder-coated	I	6	30x60	30	60	12	30	M10	6,6	11
10347-0630601121	black powder-coated	I	6	30x60	30	60	12	30	M12	6,6	11
10347-0630601161	black powder-coated	I	6	30x60	30	60	12	30	M16	6,6	11
10347-0660601081	black powder-coated	I	6	60x60	60	60	12	30	M8	6,6	11
10347-0660601101	black powder-coated	I	6	60x60	60	60	12	30	M10	6,6	11
10347-0660601121	black powder-coated	I	6	60x60	60	60	12	30	M12	6,6	11
10347-0660601161	black powder-coated	I	8	60x60	60	60	16	40	M16	9	15
10347-0840801081	black powder-coated	I	8	40x80	40	80	16	40	M8	9	15
10347-0840801101	black powder-coated	I	8	40x80	40	80	16	40	M10	9	15
10347-0840801121	black powder-coated	I	8	40x80	40	80	16	40	M12	9	15
10347-0840801161	black powder-coated	I	8	40x80	40	80	16	40	M16	9	15
10347-0880801081	black powder-coated	I	8	80x80	80	80	16	40	M8	9	15
10347-0880801101	black powder-coated	I	8	80x80	80	80	16	40	M10	9	15
10347-0880801121	black powder-coated	I	8	80x80	80	80	16	40	M12	9	15
10347-0880801161	black powder-coated	I	8	80x80	80	80	16	40	M16	9	15
10347-0830602081	black powder-coated	B	8	30x60	30	60	12	30	M8	9	15
10347-0830602101	black powder-coated	B	8	30x60	30	60	12	30	M10	9	15
10347-0830602121	black powder-coated	B	8	30x60	30	60	12	30	M12	9	15
10347-1045902101	black powder-coated	B	10	45x90	45	90	16	45	M10	14,5	20
10347-1045902121	black powder-coated	B	10	45x90	45	90	16	45	M12	14,5	20
10347-1045902141	black powder-coated	B	10	45x90	45	90	16	45	M14	14,5	20
10347-1045902161	black powder-coated	B	10	45x90	45	90	16	45	M16	14,5	20
10347-1045902201	black powder-coated	B	10	45x90	45	90	16	45	M20	14,5	20
10347-1090902101	black powder-coated	B	10	90x90	90	90	16	45	M10	14,5	20
10347-1090902121	black powder-coated	B	10	90x90	90	90	16	45	M12	14,5	20
10347-1090902141	black powder-coated	B	10	90x90	90	90	16	45	M14	14,5	20
10347-1090902161	black powder-coated	B	10	90x90	90	90	16	45	M16	14,5	20
10347-1090902201	black powder-coated	B	10	90x90	90	90	16	45	M20	14,5	20

Bearing flange

for feed roller



Material:

Bearing flanges and fastening pieces PA-GF.
Bolts steel.

Version:

Black.
Bolts electro zinc-plated.

Sample order:

nIm 10400-5008

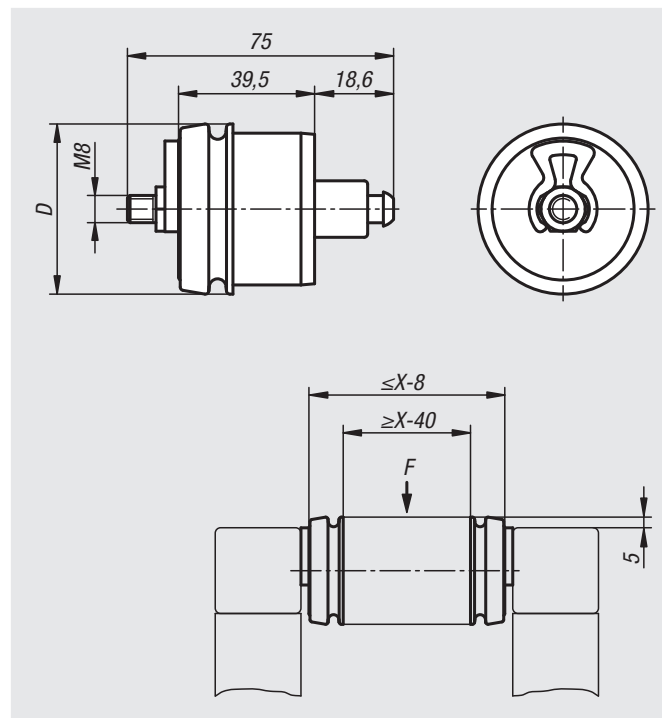
Note:

Two bearing flanges combined with a D50 type I aluminium profile tube (10050) form a feed roller (load-bearing roller). The bearing flanges are simply pressed into the aluminium profile tube. These can be used for many conveyance tasks. The bearing flanges have ball bearings and spring-loaded fastening spigots which enable transport rollers to be retrofitted into existing structures. A roller conveyor is created when several transport rollers are mounted in series.

Two bearing flanges are required for a transport roller.

Accessories:

Aluminium profiles D50 10050
Slot key profile 07076



Order No.	Type	Slot width	D	F max. N	X min.	X max.
10400-5008	I	8	50	1000	160	800

Plastic roller elements

for roller rails



Material:

Roller and cage polyamide, glass-bead reinforced.
Steel axis.

Version:

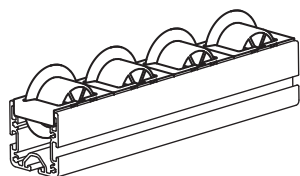
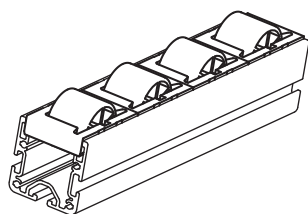
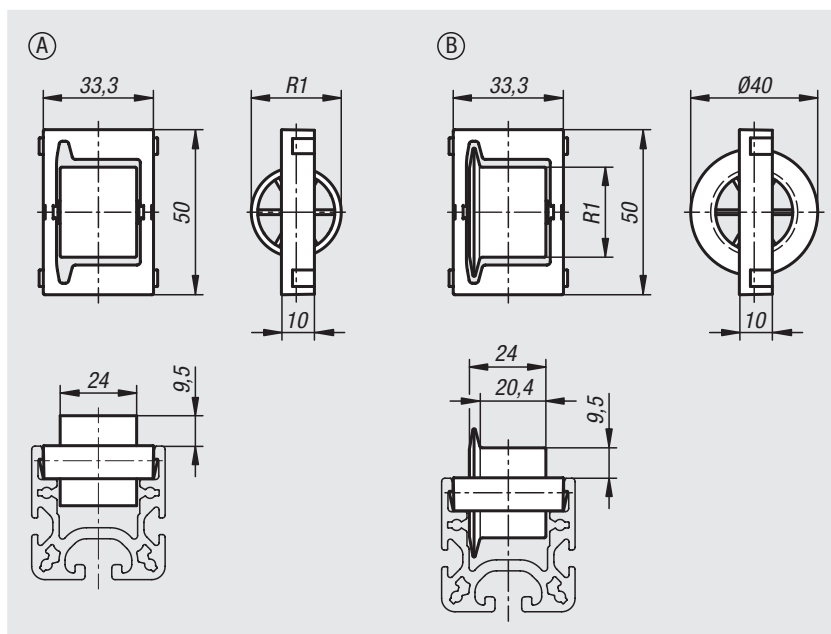
Cage black.
Roller available in different colours.

Sample order:

nlm 10448-1281

Note:

The roller elements are matched to the aluminium profiles for roller rails and can be mounted on them quickly and easily. No tools required. Suitable for aluminium profiles Type B and I.



Order No. Form A without wheel flange	Order No. Form B with wheel flange	Main colour	R1	Load capacity N
10448-1281	10448-2281	black	28	150
10448-1282	10448-2282	yellow	28	150
10448-1283	10448-2283	red	28	150
10448-1284	10448-2284	green	28	150
10448-1285	10448-2285	grey	28	150

Stainless steel brakes

for roller elements


Material:

Stainless steel

Version:

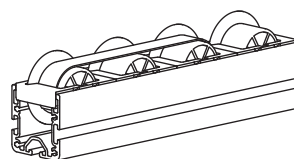
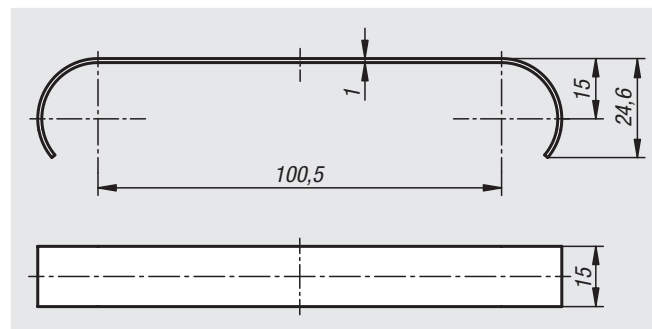
Bright.

Sample order:

nlm 10448-01-10015

Note:

The brake is used in connection with the roller rails. The brake element is pulled over three rollers and ensures soft braking, in particular with heavy workpieces.



Order No.	Item
10448-01-10015	brake

10448-02

Plastic roller elements, compact

for roller rails


Material:

Roller and cage polyamide, glass-bead reinforced.
Steel axis.

Version:

Cage black.
Roller available in different colours.

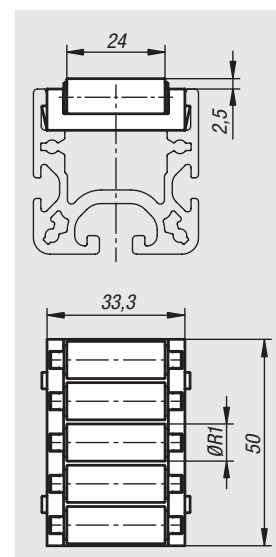
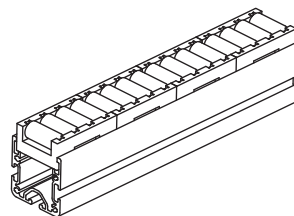
Sample order:

nlm 10448-02-091

Note:

The roller elements are matched to the aluminium profiles for roller rails and can be mounted on them quickly and easily. No tools required. The compact design with a small centre distance is optimally designed for the low-vibration conveyance of sensitive items.

Suitable for aluminium profiles Type B and I.



Order No.	Main colour	R1	Load capacity N
10448-02-091	black	9	100
10448-02-092	yellow	9	100
10448-02-093	red	9	100
10448-02-094	green	9	100
10448-02-095	grey	9	100

Ball transfer units

for roller rails



Material:

Ball stainless steel.

Housing steel.

Cage polyamide, carbon-fibre reinforced.

Version:

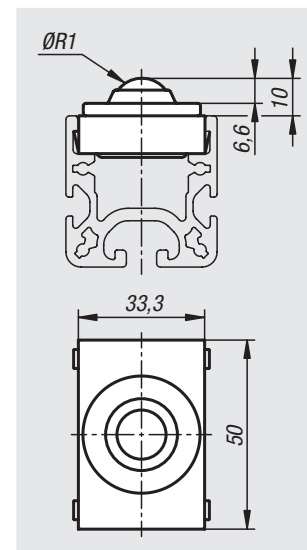
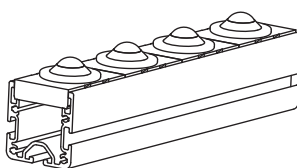
Cage black.

Sample order:

nIm 10448-03-16

Note:

These ball transfer units are matched to the aluminium profiles for roller rails and can be mounted on them quickly and easily. For flexible movements in two dimensions. With a low-wear and low-friction ball rollers. No tools required. Suitable for aluminium profiles Type B and I.



Order No.	R1	Load capacity N
10448-03-16	16	100

10448-04

Brush elements, plastic

for roller rails



Material:

Polyamide fibres.

Polypropylene brush head.

Polyamide cage, carbon-fibre reinforced.

Version:

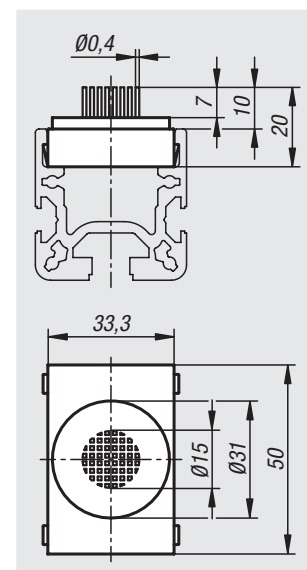
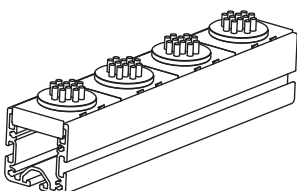
black.

Sample order:

nIm 10448-04-15

Note:

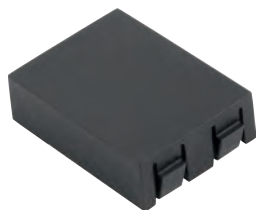
The brush element is matched to the aluminium profiles for roller rails and can be mounted on them quickly and easily. With the elastic brush fibres, scratch-sensitive objects can be moved flexibly in two dimensions. No tools required. Suitable for aluminium profiles Type B and I.



Order No.	Load capacity N
10448-04-15	100

Spacers, plastic

for roller rails


Material:

Polyamide fibreglass reinforced.

Version:

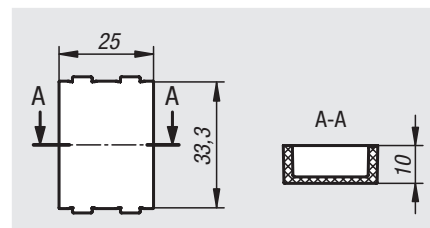
black.

Sample order:

nln 10448-05-3325

Note:

These spacers are matched to the aluminium profiles for roller rails and can be mounted on them quickly and easily. They are used as spacers between rollers, brushes or ball transfer units. No tools required. Suitable for aluminium profiles Type B and I.



Order No.	Item
10448-05-3325	Spacer

10448-06

Backstop elements, steel

for roller rails


Material:

Backstop steel.

Axis steel.

Cage polyamide, carbon-fibre reinforced.

Version:

Electro zinc-plated

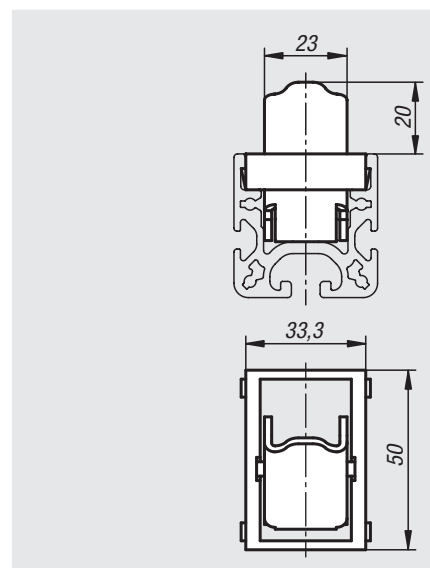
Cage black.

Sample order:

nln 10448-06-3350

Note:

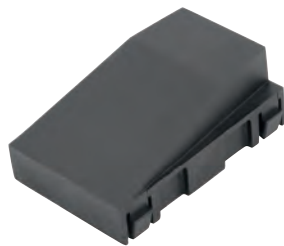
The backstop element is matched to the aluminium profiles for roller rails and can be mounted on them quickly and easily. It prevents reverse movements of items on the roller tracks. No tools required. Suitable for aluminium profiles Type B and I.



Order No.	Item
10448-06-3350	backstop element

Plastic slide ramps

for roller rails


Material:

Polyamide fibreglass reinforced.

Version:

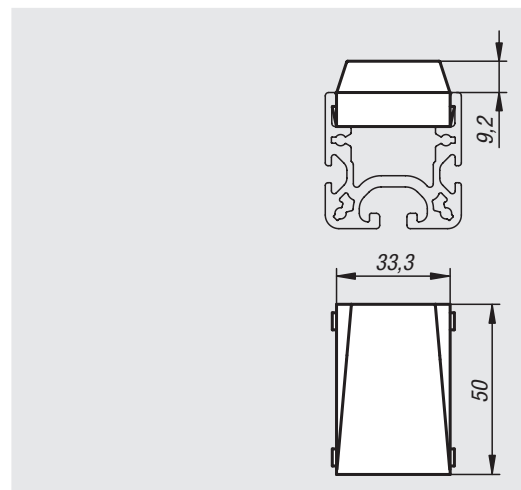
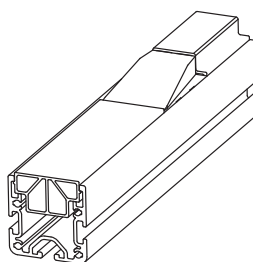
black.

Sample order:

nIm 10448-07-3350

Note:

The slide ramps ensure a soft transition between different heights of the roller tracks.



Order No.	Item
10448-07-3350	Slide ramp

10448-08

Plastic slide rails

for roller rails


Material:

Polyethylene

Version:

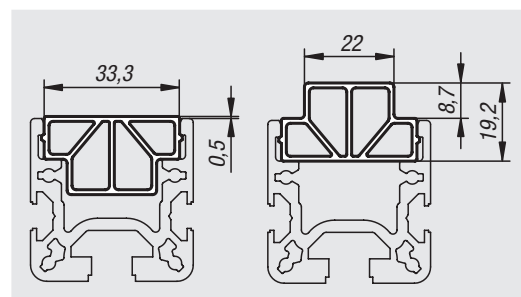
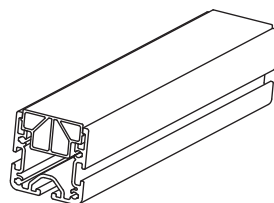
black.

Sample order:

nIm 10448-08-33X2000

Note:

Low-wear slide rail with low slide friction for easy handling of goods. Slide rails can also be used as cover protection, impact protection, guide rails and as a riser plate between ball and brush elements. The slide rail can be mounted in two different heights. Suitable for aluminium profiles Type B and I.



Order No.	Length
10448-08-33X2000	2000

End plates, steel

for roller rails



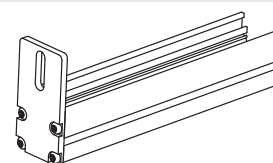
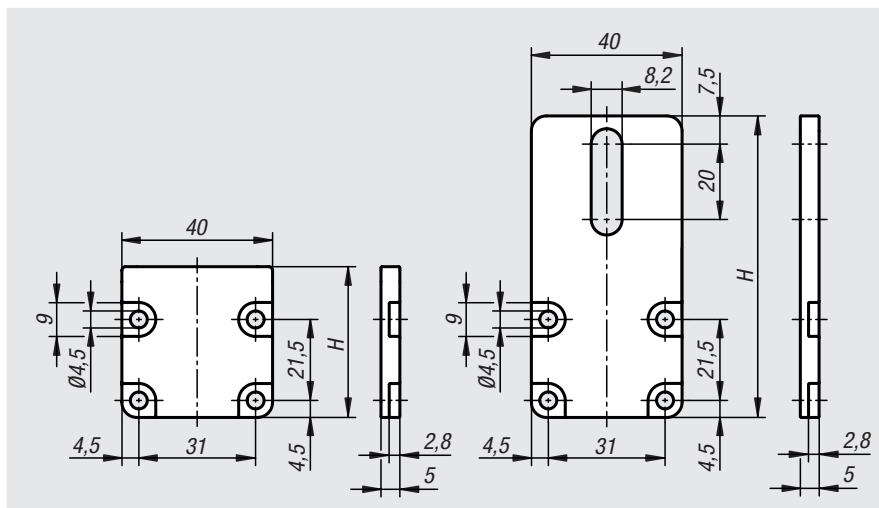
Material:
Steel.

Version:
Electro zinc-plated.

Sample order:
nlm 10448-50-4040

Note:
The end plates seal the ends of aluminium profiles for roller rails. They prevent inserts from sliding out. A rubber buffer can also be mounted to the long version.

A mounting set is supplied.



Order No.	H
10448-50-4040	40
10448-50-4080	80

10448-51

Suspension brackets, steel

for roller rails



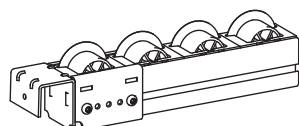
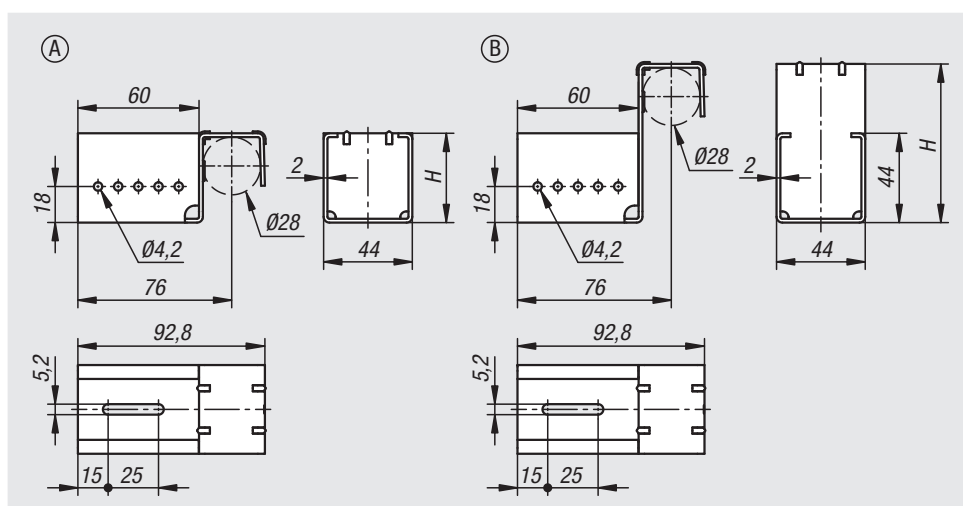
Material:
Steel.

Version:
Electro zinc-plated.

Sample order:
nlm 10448-51-444428

Note:
These brackets are used to hang aluminium profiles for roller rails in a round profile.

A mounting set is supplied.



Order No.	Form	Version 2	H
10448-51-444428	A	without stop	44
10448-51-447828	B	with stop	78,7

Mounting brackets, steel

for roller rails



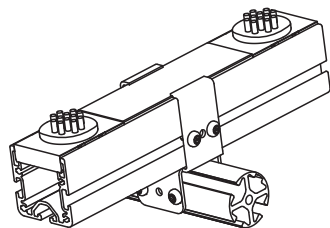
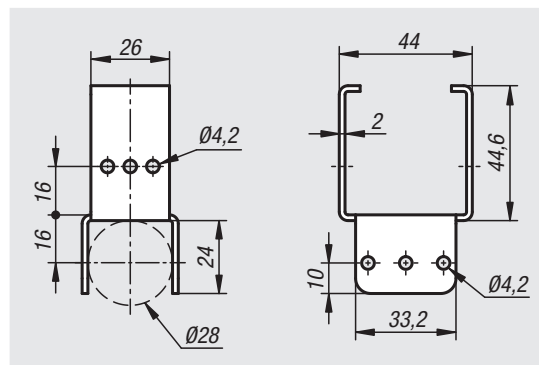
Material:
Steel.

Version:
Electro zinc-plated.

Sample order:
nlm 10448-52-4428

Note:
The mounting bracket is used to mount roller rails and round tubes crosswise. They are also used to hang and support the profiles.

A fastening set is supplied.



Order No.

Item

10448-52-4428

Mounting Bracket

Roller elements


Material:

Housing glass-bead reinforced polyamide.
Rollers POM.
Screws steel.

Version:

Housing and rollers black.
Screws electro zinc-plated.

Sample order:

nIm 10450-1000

Note:

The roller elements are ideal for constructing roller conveyors in any length and width. Suitable for aluminium profiles types B and I. The sprung guide tabs underneath universally match slots sized 8 and 10.

Mounting Form A

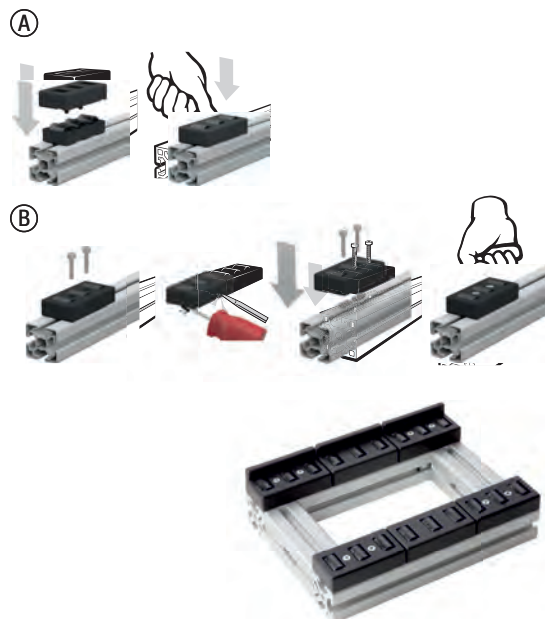
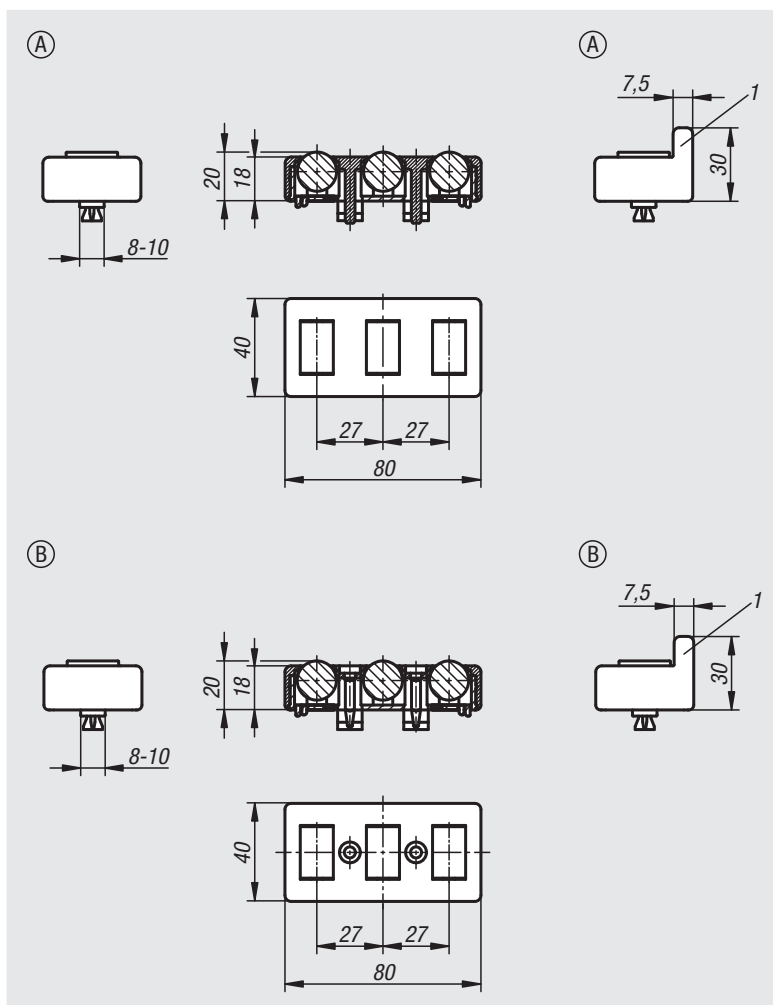
Insert the lower housing part with rollers into the aluminium profile slot. Set the spread pins on the upper housing part into the lower housing part and press down. The spread pins expand the clamps and locks the roller element in the slot.

Mounting Form B

Insert the lower housing part with rollers into the aluminium profile slot. Set the upper housing part on top and press down. Knocking or screwing the screws in locks and clamps the roller element in the slot. Alternatively, the clamps under the lower housing part can be broken off and the roller element can be securely screwed to the aluminium profile using screws and slot keys.

Drawing reference:

1) lateral guide



Order No.	Form	Version 1	Slot width	Load capacity N
10450-1000	A	without lateral guide	8/10	100
10450-1100	A	with lateral guide	8/10	100
10450-2000	B	without lateral guide	8/10	100
10450-2100	B	with lateral guide	8/10	100

Cable tie block


Material:

Polyamide fibreglass reinforced.

Version:

black.

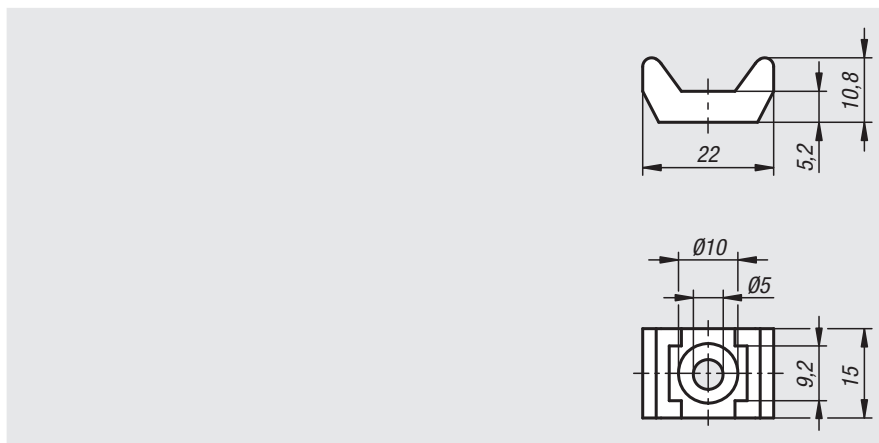
Sample order:

nIm 10451-01

Note:

The cable tie block is a fastening component for cables and hoses. Can be mounted on panel elements or aluminium profiles (5 to 12 mm slots) with a cap screw or pan head screw and a slot key.

The cables and hoses are held in place using cable ties.



Order No.	Slot width
10451-01	5-12

Cable clips


Material:

Polyamide.
O-ring FPM 70.

Version:

black.

Sample order:

nIm 10453-00

Note:

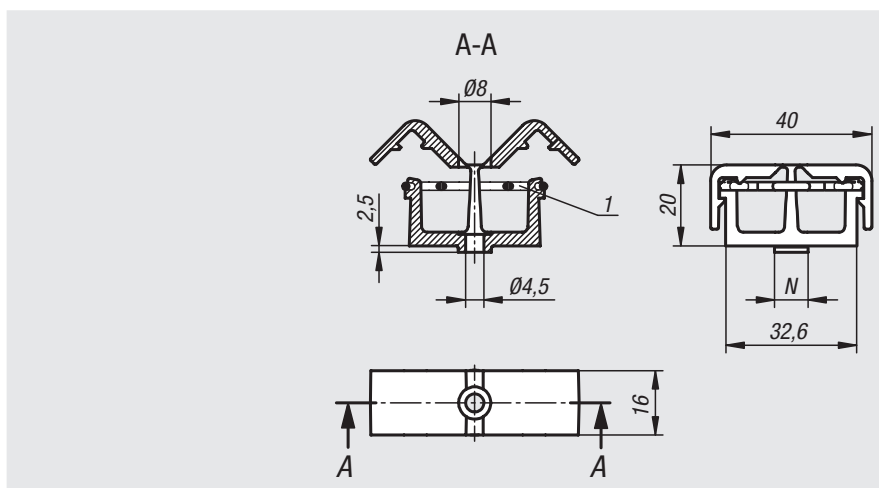
The cable clip is a fastening component for cables and hoses with a diameter of up to 12 mm.

Can be mounted on panel elements or aluminium profiles (8 or 10 mm slots) with a cap screw or pan head screw and a slot key. The cables are held in place by the stretched O-ring.

With two separate channels.

Drawing reference:

1) O-ring



Order No.	Slot width	N
10453-00	-	-
10453-08	8	8
10453-10	10	10

Cable clips with T-slot key


Material:

Polyamide.
O-ring FPM 70.

Version:

black.

Sample order:

nIm 10454-1108

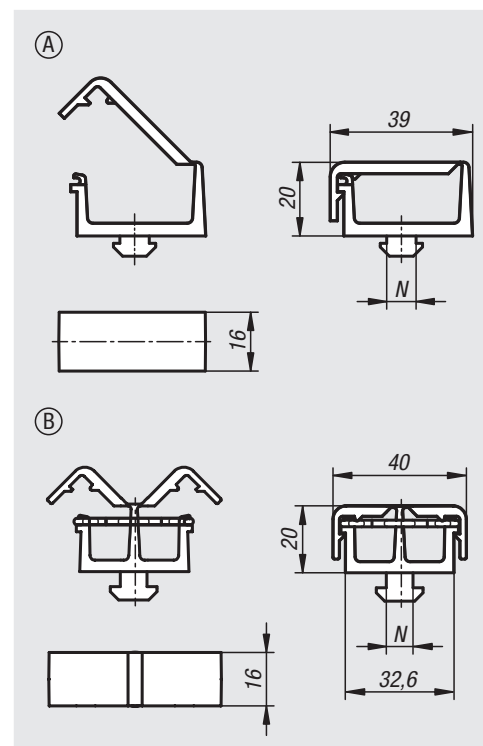
Note:

The cable clip is a fastening component for cables and hoses with a diameter up to 12 mm.

The clip is mounted by inserting the T-key into a T-slot and twisting through 90°. The cables are held in place by the stretched O-ring.

Form A: with one channel.

Form B: with two separate channels.



Order No. Form A	Order No. Form B	Version 2	Slot width	N
10454-1108	10454-2108	type i	8	8
10454-1208	10454-2208	type b	8	8
10454-1210	10454-2210	type b	10	10

Sensor holders


Material:

Polyamide fibreglass reinforced.

Version:

black.

Sample order:

nln 10460-080

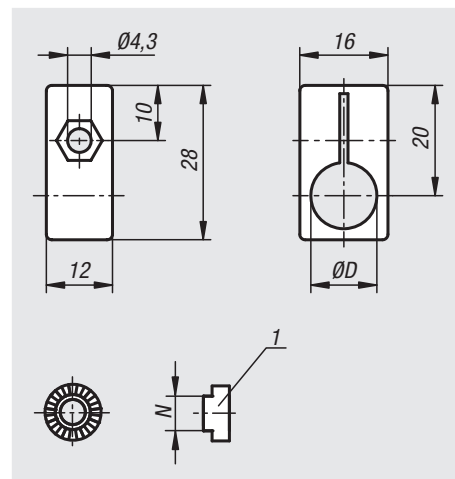
Note:

For fastening sensors and limit switches to aluminium profiles or panel elements.

Fastening pieces are available for various aluminium profile slot sizes. The fastening piece provides a positive rotation lock and can be adjusted in 15 increments. With no fastening piece the sensor holder can be infinitely adjusted in the angle.

Drawing reference:

1) Fastening piece



Order No.	Item	D	N
10460-080	Sensor Holder	8	-
10460-120	Sensor Holder	12	-
10460-905	Fastening Piece	-	5
10460-906	Fastening Piece	-	6
10460-908	Fastening Piece	-	8
10460-910	Fastening Piece	-	10

Earthing terminal

Type I



Material:

Slot key, grub screw and serrated washer, steel.
Nut and washer, brass.

Version:

Slot key, grub screw and serrated washer,
electro zinc-plated.

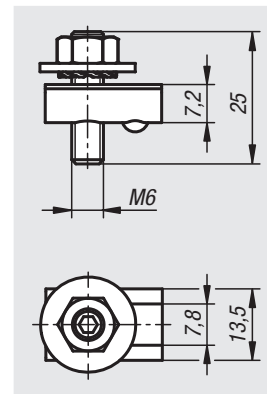
Sample order:

nIm 10470-0806

Note:

For protecting installations and persons. Connectors for earthing aluminium profile structures and interconnecting the aluminium profiles by integrating them into the protective earth (PE) system. Conductive contact is established through defined destruction of the oxide layer in the slot base and on the slot flanks.

The cable lug must be positioned between the serrated washer and the washer during assembly.



Order No.	Version 2	Slot width
10470-0806	type i	8

Potential equaliser

Type I



Material:

Steel.

Version:

Electro zinc-plated.

Sample order:

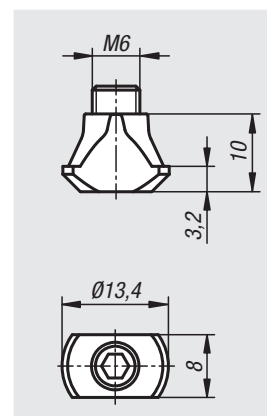
nIm 10471-0806

Note:

For generating electrostatic discharge (ESD). For safely equalising electrostatic charge of profiles. It is swivelled into the slot and screwed against the profiles at a 45° angle. A conductive connection is established by breaking through the oxide layer.

Attention:

A potential equaliser is not an electrical connection of the protective earth (PE) system.



Order No.	Version 2	Slot width
10471-0806	type i	8

Notes

A large grid of graph paper for taking notes. The grid consists of 20 columns and 20 rows of squares. The grid is intended for technical drawing or note-taking.

01000

02000

03000

04000

05000

06000

07000

08000

09000

10000

12000

14000

Eccentric clamp modules


Material:

Body steel.

Cam levers cast aluminium.

Version:

Body black oxidised.

T-nut electro zinc-plated.

Cam levers black powder coated.

Sample order:

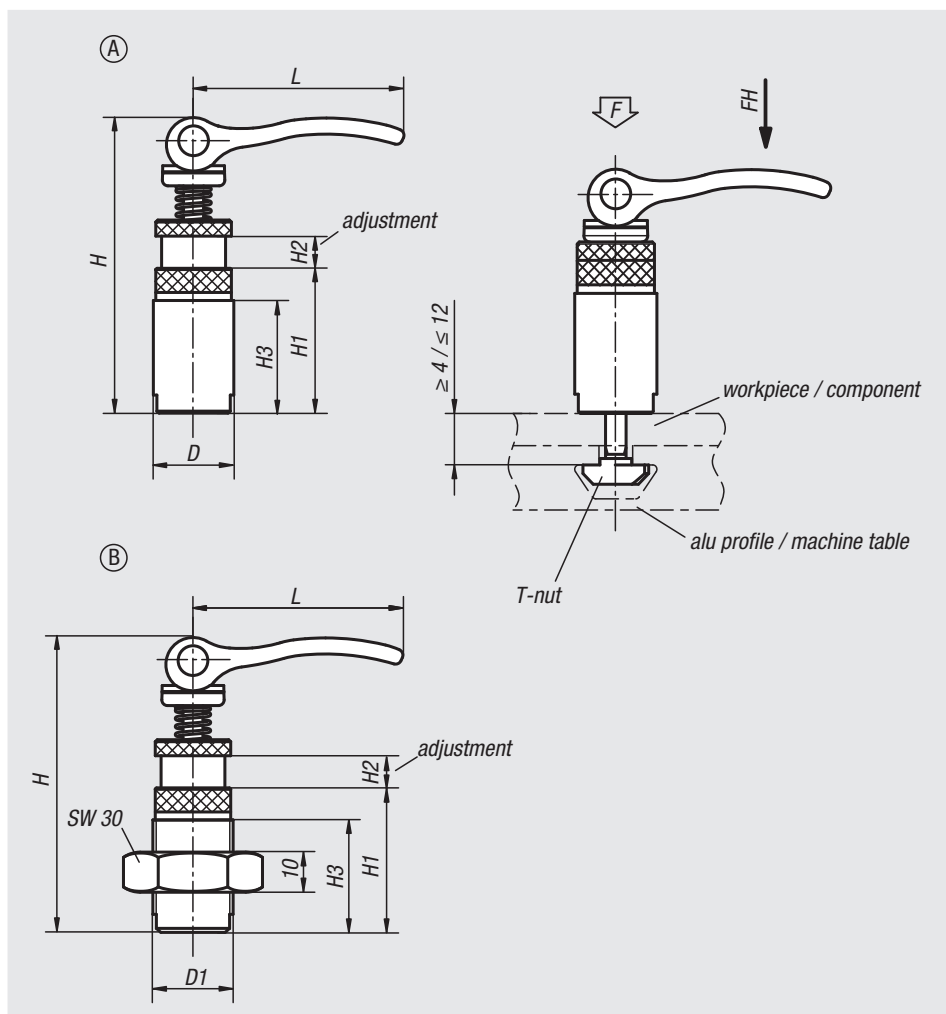
nIm 10500-00200808

Note:

The clamp module is inserted into the T-slot from above and secured using the cam lever, no other tools required.

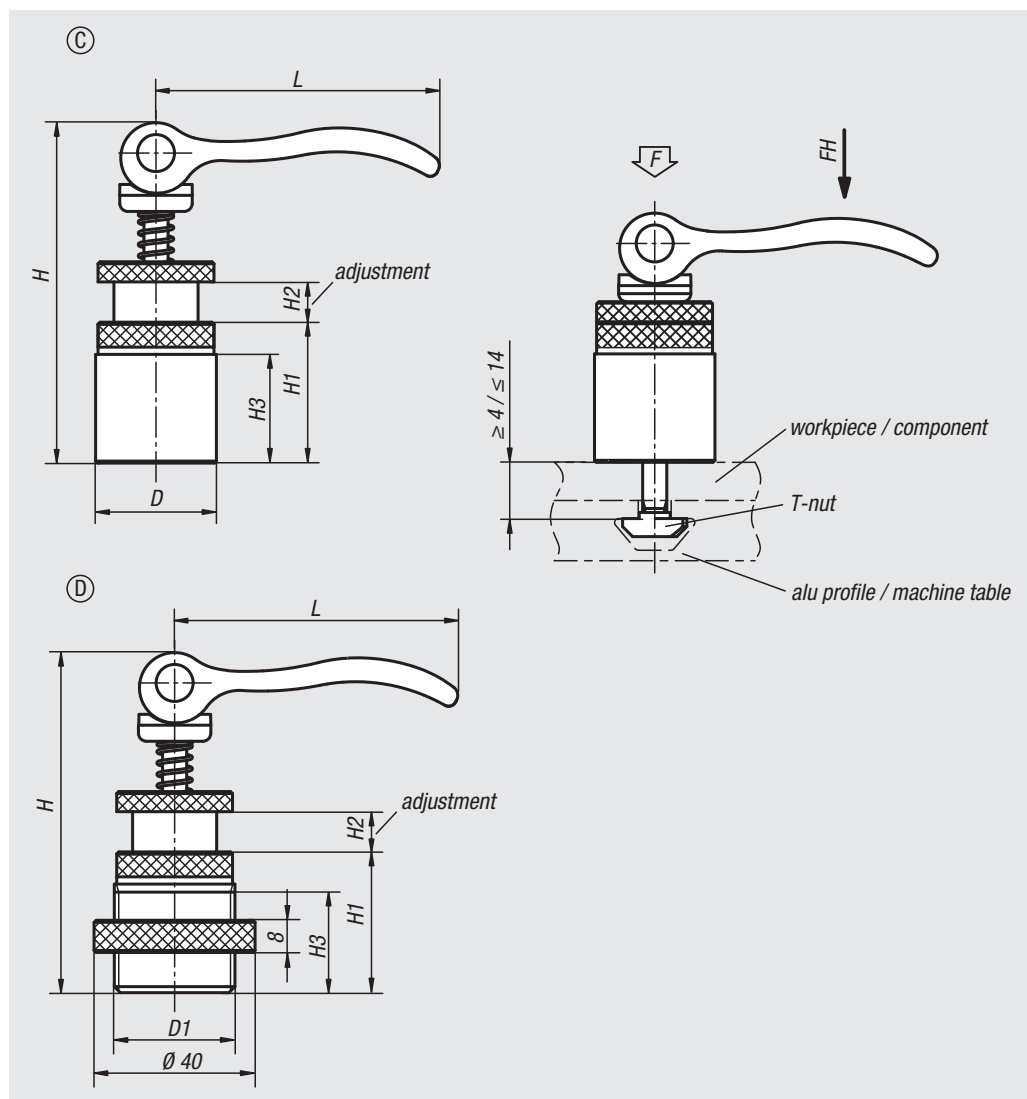
Advantages:

The eccentric clamp modules can be used on conventional aluminium profile systems or on T-slot tables as stops, fasteners or clamps for components and workpieces.



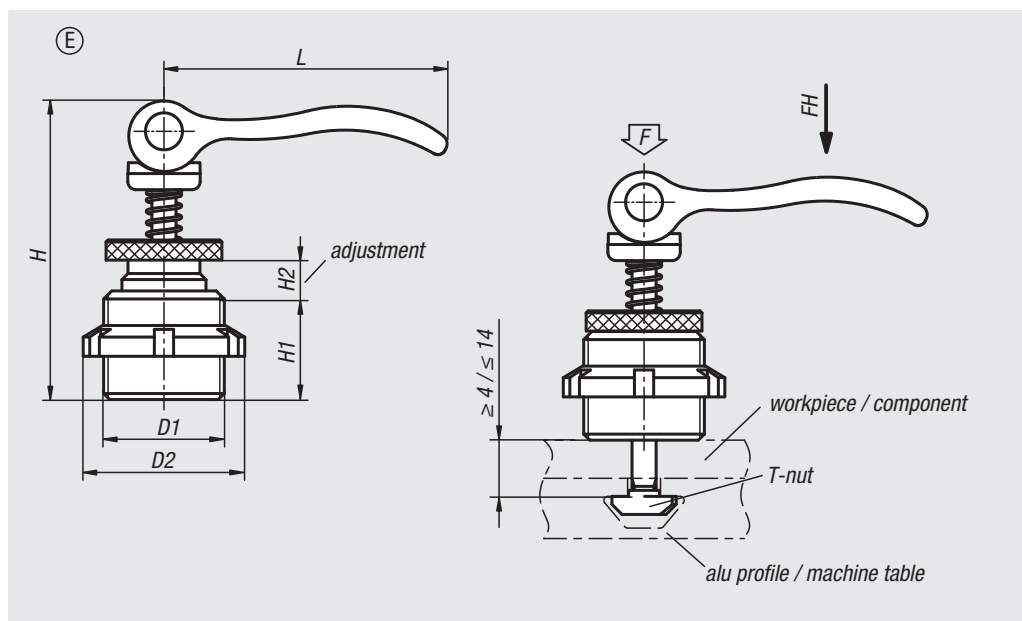
Order No.	Form	D	D1	H	H1	H2	H3	L	suitable for slot width	Clamping force F (kN)	Hand force FH N
10500-00200808	A	20	-	73,5	36	8	28	52,3	8	2,5	100
10500-10200808	B	-	M20x1,5	73,5	36	8	28	52,3	8	2,5	100

Eccentric clamp modules



Order No.	Form	D	D1	D2	H	H1	H2	H3	L	suitable for slot width	Clamping force F (kN)	Hand force FH N
10500-21150606	C	15	-	-	34	10	6	7	35	6	1,5	90
10500-21201008	C	20	-	-	44	13	8	10	52	8	2,5	100
10500-21301008	C	30	-	-	84,6	35	10	25	70,4	8	4	120
10500-31301008	D	-	M30x2	40	84,6	35	10	25	70,4	8	4	120

Eccentric clamp modules



Order No.	Form	D1	D2	H	H1	H2	L	suitable for slot width	Clamping force F (kN)	Hand force FH N
10500-41150706	E	M15X1	25	39	14	7	35	6	1,5	90
10500-41200908	E	M20X1	32	50	18	9	52	8	2,5	100

10505

Cam clamps

for eccentric clamp modules



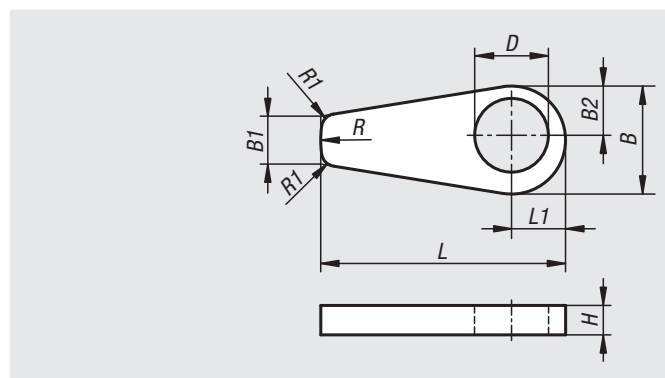
Material:
Steel or POM

Version:
black oxidised. White.

Sample order:
nlm 10505-2008

Note:
Cam clamps for indirect clamping of sensitive parts in combination with pivot bearings or Form C eccentric clamp modules.

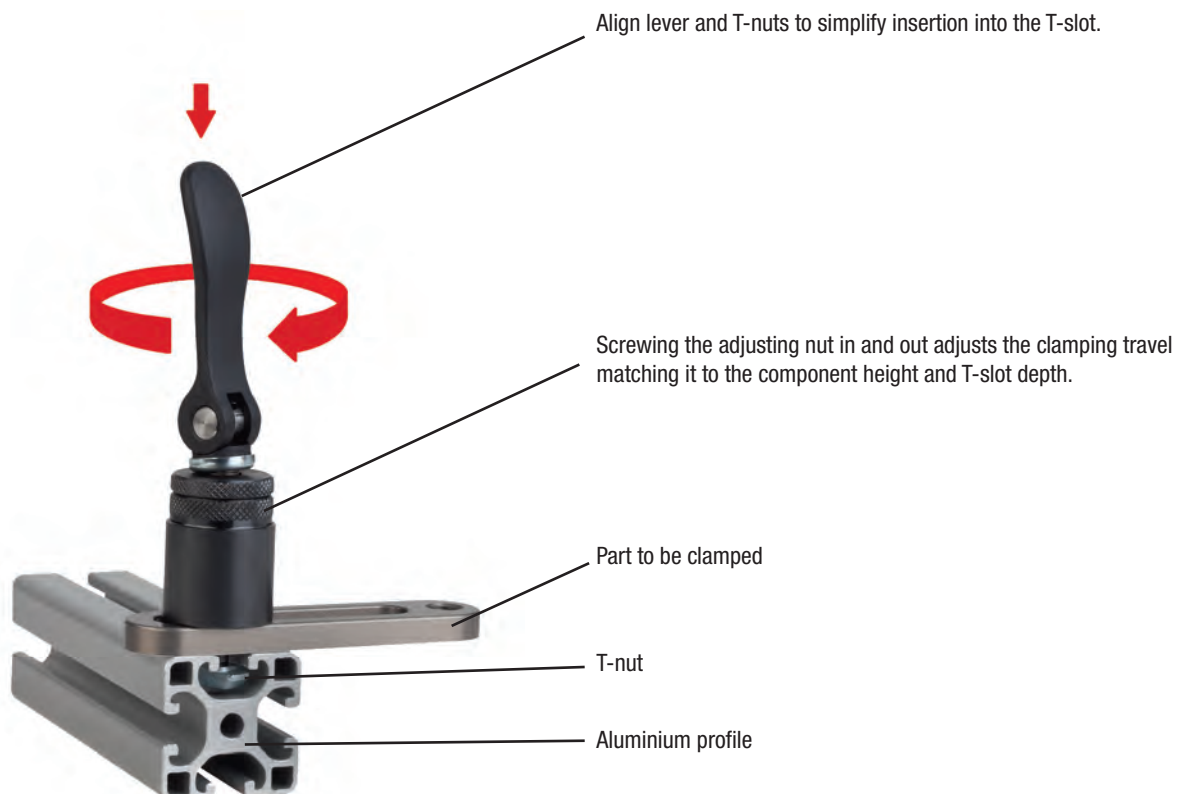
Advantages:
Tool-less operation.



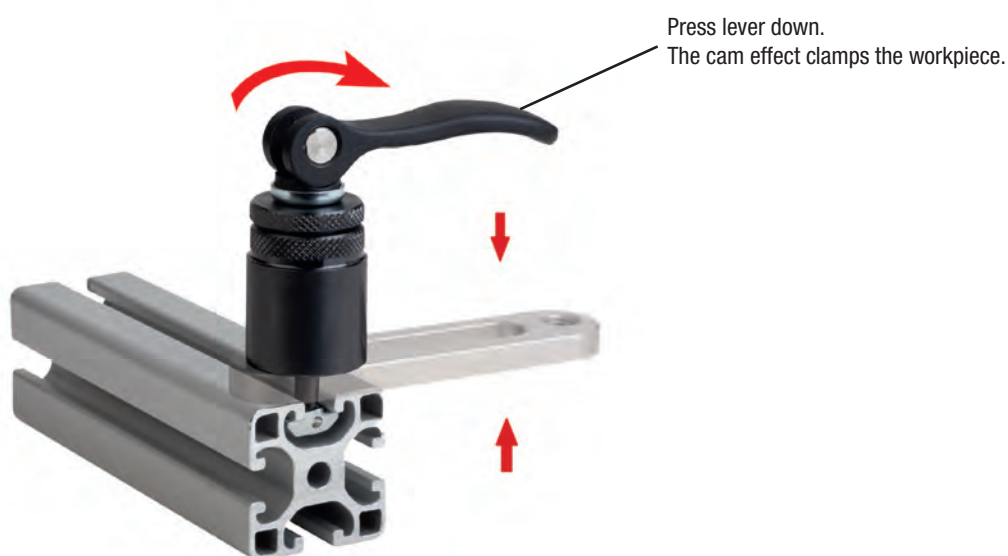
Order No.	Main material	B	B1	B2	D	H	L	L1	R	R1
10505-1506	steel	22,1	10	10,05	15,1	6	50	11,05	22	3
10505-2008	steel	29,4	13,34	13,37	20,1	8	66,67	14,7	29,4	3
10505-3010	steel	44,1	20	20,05	30,1	10	100	22,05	44	3
10505-23010	POM	44,1	20	20,05	30,1	10	100	22,05	44	3

Mounting instructions for eccentric clamp module

Insert by pushing and rotating



Swivel down to clamp



Clip-in shell bins, plastic

for profile slots type I and type B and mounting profiles



Material:

Trays fibreglass reinforced PA.
Label holder PC.
Elastic buffers PU.

Sample order:

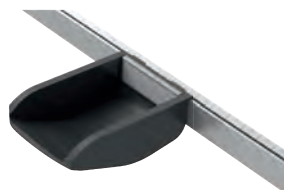
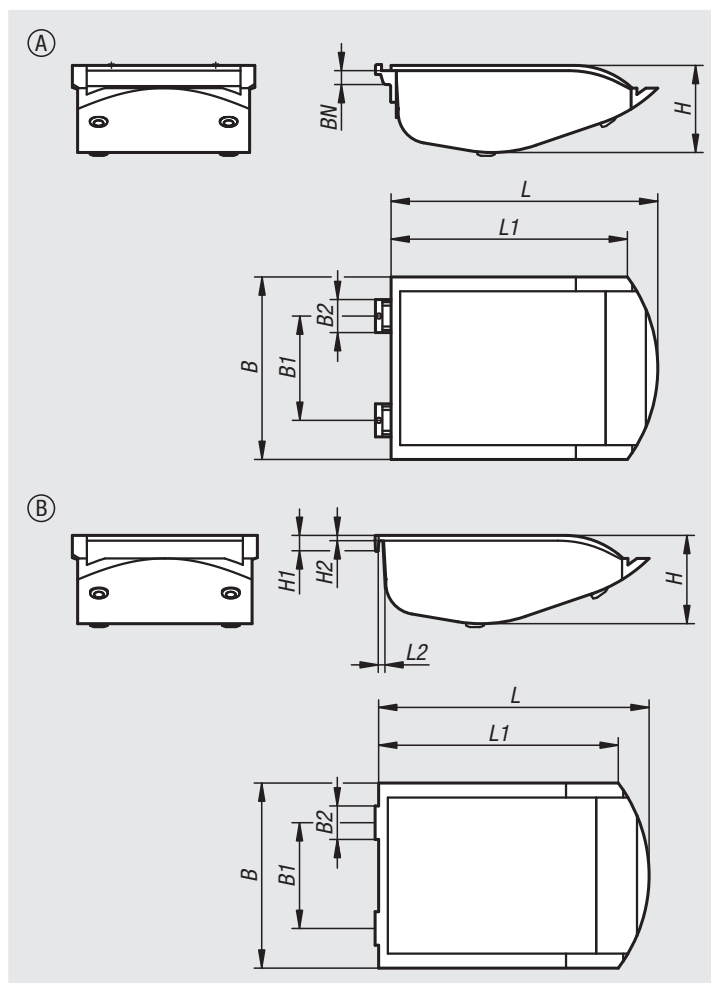
nIm 10550-10

Note:

These bins can be easily clipped into profile slots or mounting profiles.
The bins for mounting profiles can be hooked onto perforated panels.
For holding small parts and selectively picking out the smallest of components.

Supplied with:

1x clip-in shell bin
1x label holder
1x label
4x self-adhesive elastic buffers



Order No.	Version 1	Form	B	B1	B2	H	H1	H2	L	L1	L2	BN=Slot width
10550-00	type I	A	105	60	19	50	-	-	153,5	136	-	8
10550-10	type B	A	105	60	19	50	-	-	153,5	136	-	10
10550-20	for mounting profile	B	105	60	19	50	9	3	153,5	136	3	-

Clip-in shell bins, antistatic plastic

for profile slots type I and type B and mounting profiles



Material:

Bins carbon fibre reinforced antistatic PA.
Label holder PC.
Elastic buffers PU.

Sample order:

n1m 10550-11

Note:

These bins can be easily clipped into profile slots or mounting profiles.
The bins for mounting profiles can be hooked onto perforated panels.
For holding small parts and selectively picking out the smallest of components.

Application:

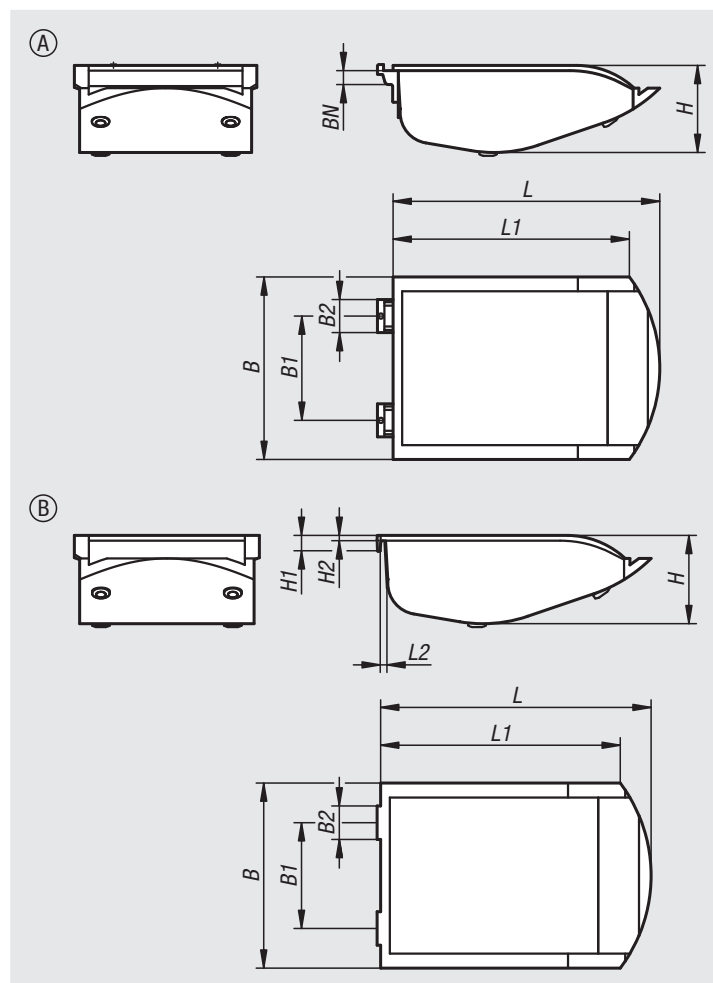
Sensitive electrical or electronic equipment, components and devices (ESD sensitive elements) may be damaged or destroyed by electrostatic discharges (ESD) in the immediate vicinity.
Electrostatic discharges can come from people or through handling ESD sensitive components (e.g. during production, assembly, transport, storage etc).
Electrically conductive products which conform to DIN EN 61340-5-1 are essential within electronic environments to prevent an electrostatic discharge.
These products can be used for ESD applications or in ESD protection areas (EPA) in accordance with DIN EN 61340-5-1.

Supplied with:

1x clip-in shell bin
1x label holder
1x label
4x self-adhesive elastic buffers

Applications:

Device manufacturers required to conform to ATEX product directive 2014/34/EU.
Operators required to conform to ATEX worker protection directive 1999/92/EC.



Safety:

These ESD products can also be used for devices, components and protection systems in areas where there is risk of explosion.

These ESD products prevent electrostatic spark discharges, and eliminate the risk of ignition of gases and dust which could lead to explosions in enclosed spaces.

Manufacturers and operators must apply and comply with the ATEX directives for protecting persons working in areas where there is a risk of explosion.

These ESD products have been certified by TÜV-Süd for their electrical discharge capability.



Order No.	Version 1	Form	B	B1	B2	H	H1	H2	L	L1	L2	BN=Slot width
10550-01	type I	A	105	60	19	50	-	-	153,5	136	-	8
10550-11	type B	A	105	60	19	50	-	-	153,5	136	-	10
10550-21	for mounting profile	B	105	60	19	50	9	3	153,5	136	3	-

Clip-in bins, plastic

for type I and type B profile slots and mounting profiles



Material:

Bins fibreglass reinforced PA.
Label holders PC.

Sample order:

nlm 10550-05-10110103

Note:

These bins can be easily clipped into profile slots or mounting profiles.

The bins for mounting profiles can be hooked onto perforated panels.

For holding small parts.

The bins for mounting profiles can be combined with swivel adapters.

Supplied with:

Form A: 1x clip-in bin.

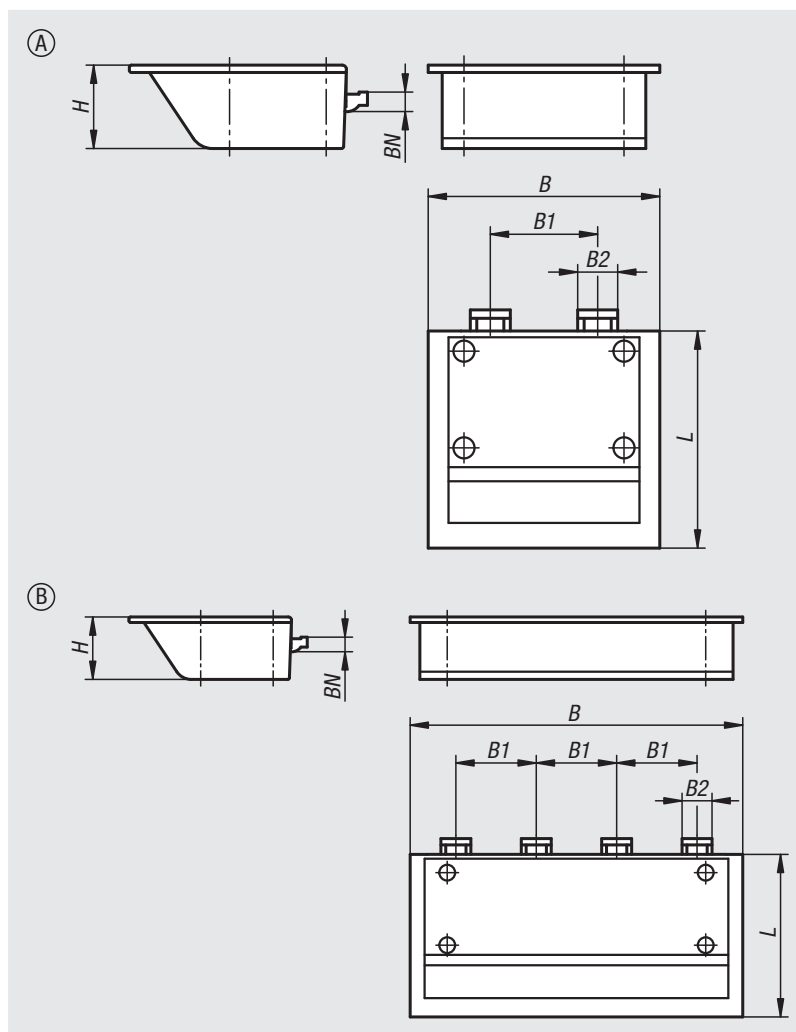
Form B: 1x clip-in bin.

Form C: 1x clip-in bin, 1x label holder, 1x label.

Form D: 1x clip-in bin, 1x label holder, 1x label.

Accessories:

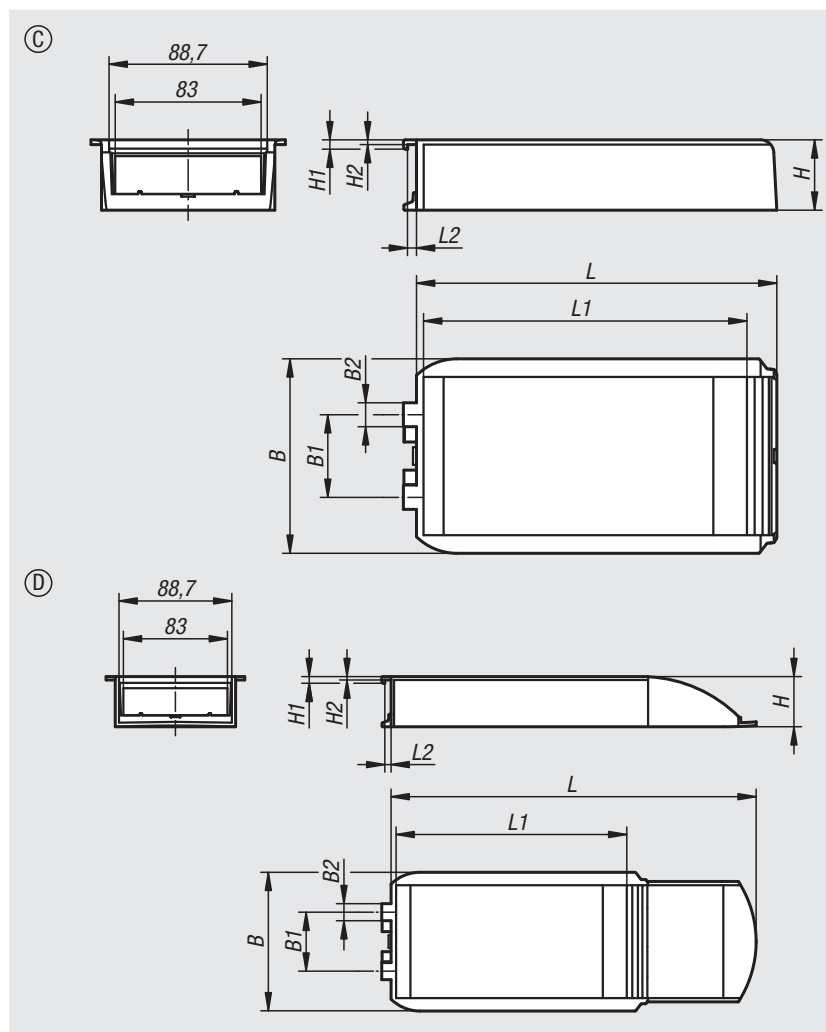
Swivel adapter 10550-10.



Order No.	Version 1	Form	B	B1	B2	H	L	BN=Slot width
10550-05-00110103	type I	A	110	51	19	40	103,1	8
10550-05-10110103	type B	A	110	51	19	40	103,1	10
10550-05-00211103	type I	B	211	51	19	40	103,1	8
10550-05-10211103	type B	B	211	51	19	40	103,1	10

Clip-in bins, plastic

for type I and type B profile slots and mounting profiles



Order No.	Version 1	Form	B	B1	B2	H	H1	H2	L	L1	L2
10550-05-20110205	for mounting profile	C	110,6	47	13,6	40	8	2,7	200	183	5
10550-05-20110291	for mounting profile	D	110,6	47	13,6	40	5,3	2,7	286	183	5

Clip-in bins, antistatic plastic

for mounting profiles



Material:

Bins carbon fibre reinforced antistatic PA.
Label holders PC.

Sample order:

nln 10550-05-21110205

Note:

These bins can be easily clipped into profile slots or mounting profiles.
The bins for mounting profiles can be hooked onto perforated panels.
For holding small parts.

The bins for mounting profiles can be combined with swivel adapters.

Application:

Sensitive electrical or electronic equipment, components and devices (ESD sensitive elements) may be damaged or destroyed by electrostatic discharges (ESD) in the immediate vicinity.
Electrostatic discharges can come from people or through handling ESD sensitive components (e.g. during production, assembly, transport, storage etc).
Electrically conductive products which conform to DIN EN 61340-5-1 are essential within electronic environments to prevent an electrostatic discharge.
These products can be used for ESD applications or in ESD protection areas (EPA) in accordance with DIN EN 61340-5-1.

Supplied with:

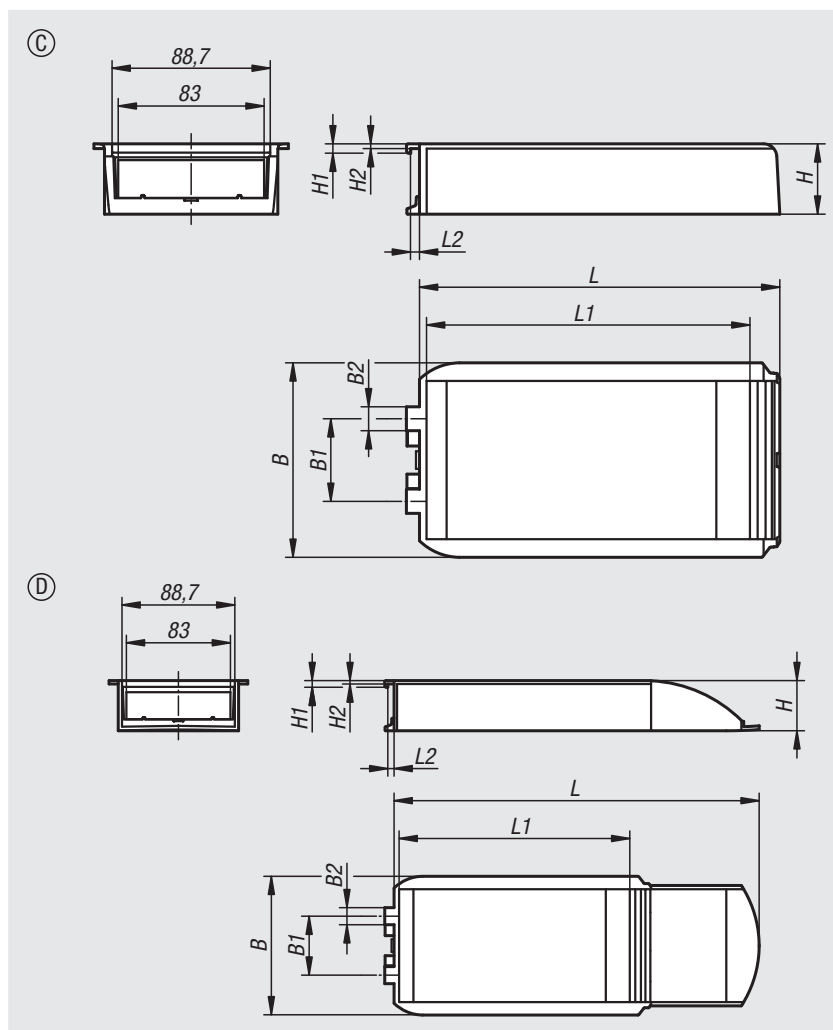
Form C: 1x clip-in bin, 1x label holder, 1x label.
Form D: 1x clip-in bin, 1x label holder, 1x label.

Accessories:

Swivel adapter 10550-10.

Applications:

Device manufacturers required to conform to ATEX product directive 2014/34/EU.
Operators required to conform to ATEX worker protection directive 1999/92/EC.



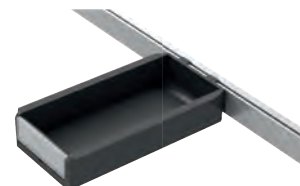
Safety:

These ESD products can also be used for devices, components and protection systems in areas where there is risk of explosion.

These ESD products prevent electrostatic spark discharges, and eliminate the risk of ignition of gases and dust which could lead to explosions in enclosed spaces.

Manufacturers and operators must apply and comply with the ATEX directives for protecting persons working in areas where there is a risk of explosion.

These ESD products have been certified by TÜV-Süd for their electrical discharge capability.



Order No.	Form	B	B1	B2	H	H1	H2	L	L1	L2
10550-05-21110205	C	110,6	47	13,6	40	5,3	2,7	200	183	5
10550-05-21110291	D	110,6	47	13,6	40	5,3	2,7	286	183	5

Swivel adapter, plastic

for profile slots



Material:

Adapter fibreglass reinforced PA.
Slot keys die-cast zinc.
Fastening material steel.

Version:

Steel electro zinc-plated.

Sample order:

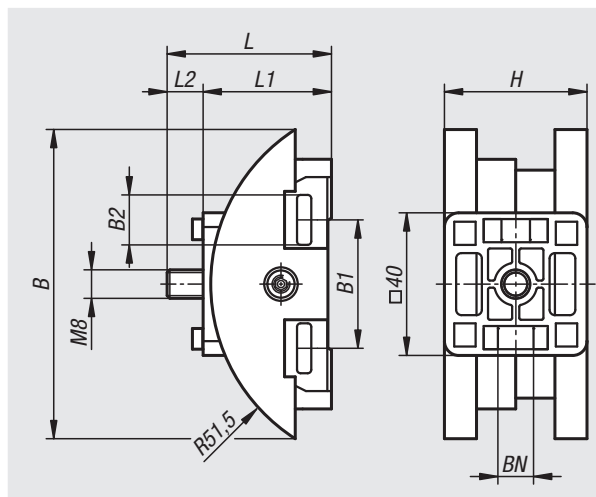
nIm 10550-10-510

Note:

These adapters are used to fasten clip-in bins to profile slots (slot size 8 or 10).
The adapter swivels through 45° in both directions.

Supplied with:

1x top adapter housing
1x bottom adapter housing
1x adapter flange
1x M4 hex nut
1x M4x35 countersunk screw
4x slot keys, slot size 8/10
1x M8x16 cap screw



Order No.	B	B1	B2	H	L	L1	L2	BN=Slot width
10550-10-510	88	51	14,2	40	40,1	36	10,1	8/10

Swivel adapter, antistatic plastic

for profile slots



Material:

Adapter carbon fibre reinforced
antistatic PA.
Slot keys die-cast zinc.
Fastening material steel.

Version:

Steel electro zinc-plated.

Sample order:

nlm 10550-10-511

Note:

These adapters are used to fasten clip-in bins to profile slots (slot size 8 or 10).

The adapter swivels through 45° in both directions.

Application:

Sensitive electrical or electronic equipment, components and devices (ESD sensitive elements) may be damaged or destroyed by electrostatic discharges (ESD) in the immediate vicinity. Electrostatic discharges can come from people or through handling ESD sensitive components (e.g. during production, assembly, transport, storage etc). Electrically conductive products which conform to DIN EN 61340-5-1 are essential within electronic environments to prevent an electrostatic discharge.

These products can be used for ESD applications or in ESD protection areas (EPA) in accordance with DIN EN 61340-5-1.

Supplied with:

1x top adapter housing.
1x bottom adapter housing.
1x adapter flange.
1x M4 hex nut.
1x M4x35 countersunk screw.
4x slot keys, slot size 8/10.
1x M8x16 cap screw.

Applications:

Device manufacturers required to conform to ATEX product directive 2014/34/EU.

Operators required to conform to ATEX worker protection directive 1999/92/EC.

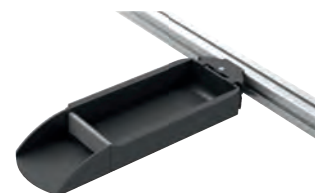
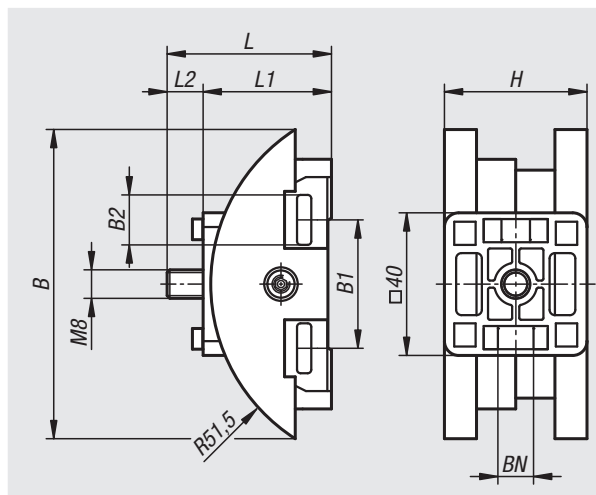
Safety:

These ESD products can also be used for devices, components and protection systems in areas where there is risk of explosion.

These ESD products prevent electrostatic spark discharges, and eliminate the risk of ignition of gases and dust which could lead to explosions in enclosed spaces.

Manufacturers and operators must apply and comply with the ATEX directives for protecting persons working in areas where there is a risk of explosion.

These ESD products have been certified by TÜV-Süd for their electrical discharge capability.



Order No.	B	B1	B2	H	L	L1	L2	BN=Slot width
10550-10-511	88	51	14,2	40	40,1	36	10,1	8/10

Cup holder plastic

for aluminium profiles, closed or open



Material:

Cup holders PA, fibreglass reinforced.

Sample order:

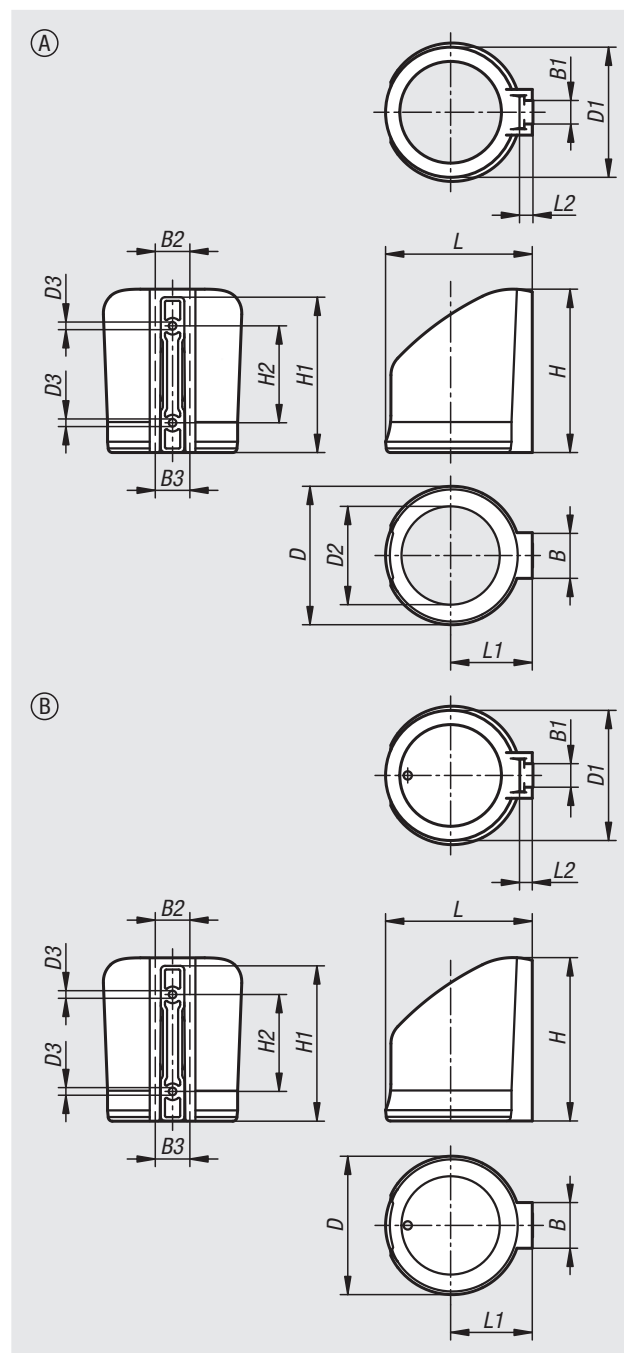
nIm 10550-15-00

Note:

The cup holders are fastened to the aluminium profile (type I and type B) using an M5 countersunk screw (07175) and a slot key (07077 or 07071).

Supplied with:

1x cup holder.
1x mounting.



Order No.	Version 1	B	B1	B2	B3	D	D1	D2	D3	H	H1	H2	L	L1	L2
10550-15-00	open	33	17	25,5	23	100	93	71	5,5	118	112	70	106	59	9,3
10550-15-10	closed	33	17	25,5	23	100	93	-	5,5	118	112	70	106	59	9,3

Cup holder plastic, antistatic

for aluminium profiles, closed



Material:

Cup holder antistatic PA, carbon fibre reinforced.

Sample order:

n1m 10550-15-11

Note:

The cup holders are fastened to the aluminium profile (type I and type B) using an M5 countersunk screw (07175) and a slot key (07077 or 07071).

Application:

Sensitive electrical or electronic equipment, components and devices (ESD sensitive elements) may be damaged or destroyed by electrostatic discharges (ESD) in the immediate vicinity.

Electrostatic discharges can come from people or through handling ESD sensitive components (e.g. during production, assembly, transport, storage etc).

Electrically conductive products which conform to DIN EN 61340-5-1 are essential within electronic environments to prevent an electrostatic discharge. These products can be used for ESD applications or in ESD protection areas (EPA) in accordance with DIN EN 61340-5-1.

Supplied with:

1x cup holder.

1x mounting.

Applications:

Device manufacturers required to conform to ATEX product directive 2014/34/EU.

Operators required to conform to ATEX worker protection directive 1999/92/EC.

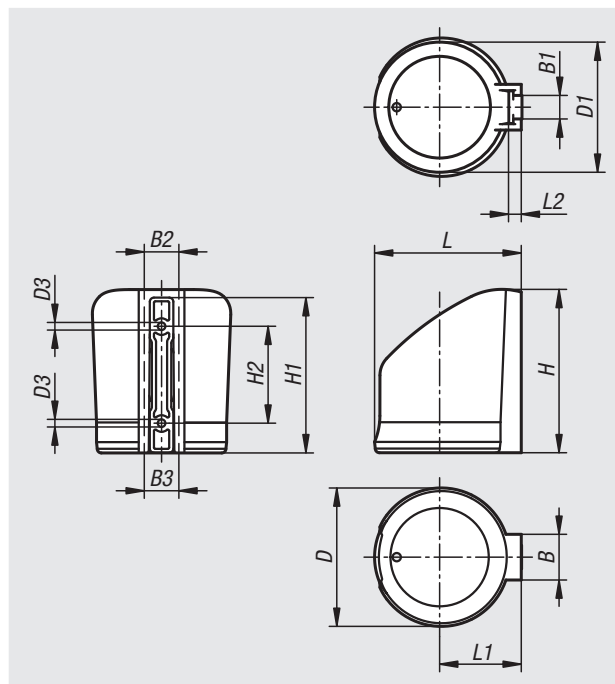
Safety:

These ESD products can also be used for devices, components and protection systems in areas where there is risk of explosion.

These ESD products prevent electrostatic spark discharges, and eliminate the risk of ignition of gases and dust which could lead to explosions in enclosed spaces.

Manufacturers and operators must apply and comply with the ATEX directives for protecting persons working in areas where there is a risk of explosion.

These ESD products have been certified by TÜV-Süd for their electrical discharge capability.



Order No.	Version 1	B	B1	B2	B3	D	D1	D3	H	H1	H2	L	L1	L2
10550-15-11	closed	33	17	25,5	23	100	93	5,5	118	112	70	106	59	9,3